

CHEM-ROCK PRIMER 'B'

ICP Construction Inc

Version No: **2.1**Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

Issue Date: **06/03/2024**Print Date: **06/04/2024**S.GHS.USA.EN

SECTION 1 Identification

Product Identifier

Product name	CHEM-ROCK PRIMER 'B'
Synonyms	Not Available
Proper shipping name	Amines, liquid, corrosive, n.o.s. (contains m-xylenediamine and trimethylhexamethylene diamine)
Other means of identification	Not Available

Recommended use of the chemical and restrictions on use

Relevant identified	HARDENED
uses	HANDENEN

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	ICP Construction Inc
Address	150 Dascomb Road Andover MA 01810 United States
Telephone	1-866-667-5119 1-978-623-9987
Fax	Not Available
Website	www.icpgroup.com
Email	sds@icpgroup.com

Emergency phone number

Association / Organisation	ChemTel
Emergency telephone numbers	1-800-255-3924
Other emergency telephone numbers	1-813-248-0585

SECTION 2 Hazard(s) identification

Classification of the substance or mixture

NFPA 704 diamond

 Version No: 2.1
 Page 2 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'



Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Classification

Corrosive to Metals Category 1, Acute Toxicity (Oral) Category 4, Skin Corrosion/Irritation Category 1A, Sensitisation (Skin) Category 1, Serious Eye Damage/Eye Irritation Category 1, Reproductive Toxicity Category 2, Specific Target Organ Toxicity - Repeated Exposure Category 2, Hazardous to the Aquatic Environment Acute Hazard Category 3, Hazardous to the Aquatic Environment Long-Term Hazard Category 1

Label elements

Hazard pictogram(s)









Signal word

Danger

Hazard statement(s)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Hazard(s) not otherwise classified

Not Applicable

Precautionary statement(s) General

•	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

Precautionary statement(s) Prevention

P201	Obtain special instructions before use.
P260	Do not breathe mist/vapours/spray.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P234	Keep only in original container.
P264	Wash all exposed external body areas thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P202	Do not handle until all safety precautions have been read and understood.
P272	Contaminated work clothing must not be allowed out of the workplace.

Precautionary statement(s) Response

 Version No: 2.1
 Page 3 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024
 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting;If more than 15 mins from Doctor, INDUCE VOMITING (if conscious).				
P303+P361+P353	ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.				
P305+P351+P338	N EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to Continue rinsing.				
P308+P313	IF exposed or concerned: Get medical advice/ attention.				
P310	mmediately call a POISON CENTER/doctor/physician/first aider.				
P363	Wash contaminated clothing before reuse.				
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.				
P362+P364	Take off contaminated clothing and wash it before reuse.				
P390	Absorb spillage to prevent material damage.				
P391	Collect spillage.				
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.				

Precautionary statement(s) Storage

P405	Store locked up.
P406	Store in corrosive resistant/ container with a resistant inner liner.

Precautionary statement(s) Disposal

P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with
	any local regulation.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
Not Available	15-40	polyamide resin
100-51-6	10-30	<u>benzyl alcohol</u>
112-24-3	1-5	triethylenetetramine
69-72-7	1-5	salicylic acid
1477-55-0*	5-10	<u>m-xylenediamine</u>
98-54-4*	10-30	p-tert-butylphenol
25620-58-0	3-7	trimethylhexamethylene diamine
84852-15-3*	0.5-1.5	nonylphenol
25154-52-3	7-13	nonylphenol

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 First-aid measures

Description of first aid measures

Eye Contact

If this product comes in contact with the eyes:

- ▶ Immediately hold eyelids apart and flush the eye continuously with running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

Version No: **2.1** Page **4** of **26** Issue Date: **06/03/2024** Print Date: **06/04/2024**

CHEM-ROCK PRIMER 'B'

▶ Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 Transport to hospital or doctor without delay. • Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. If liquid amines come in contact with the eyes, irrigate immediately and continuously with low pressure flowing water, preferably from an eye wash fountain, for 15 to 30 minutes. For more effective flushing of the eyes, use the fingers to spread apart and hold open the eyelids. The eyes should then be "rolled" or moved in all directions. Seek immediate medical attention, preferably from an ophthalmologist. If skin or hair contact occurs: Immediately flush body and clothes with large amounts of water, using safety shower if available. • Quickly remove all contaminated clothing, including footwear. Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre. Transport to hospital, or doctor. For amines: In case of major exposure to liquid amine, promptly remove any contaminated clothing, including rings, **Skin Contact** watches, and shoe, preferably under a safety shower. ▶ Wash skin for 15 to 30 minutes with plenty of water and soap. Call a physician immediately. • Remove and dry-clean or launder clothing soaked or soiled with this material before reuse. Dry cleaning of contaminated clothing may be more effective than normal laundering. Inform individuals responsible for cleaning of potential hazards associated with handling contaminated clothina. • Discard contaminated leather articles such as shoes, belts, and watchbands. Note to Physician: Treat any skin burns as thermal burns. After decontamination, consider the use of cold packs and topical antibiotics. • If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. · Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor, without delay. Inhalation of vapours or aerosols (mists, fumes) may cause lung oedema. ▶ Corrosive substances may cause lung damage (e.g. lung oedema, fluid in the lungs). As this reaction may be delayed up to 24 hours after exposure, affected individuals need complete rest (preferably in semi-recumbent posture) and must be kept under medical observation even if no symptoms are (yet) manifested. Inhalation Before any such manifestation, the administration of a spray containing a dexamethasone derivative or beclomethasone derivative may be considered. This must definitely be left to a doctor or person authorised by him/her. (ICSC13719) For amines: · All employees working in areas where contact with amine catalysts is possible should be thoroughly trained in the administration of appropriate first aid procedures. ▶ Experience has demonstrated that prompt administration of such aid can minimize the effects of accidental exposure. • Promptly move the affected person away from the contaminated area to an area of fresh air. ▶ Keep the affected person calm and warm, but not hot. • If breathing is difficult, oxygen may be administered by a qualified person. • If breathing stops, give artificial respiration. Call a physician at once. Ingestion • For advice, contact a Poisons Information Centre or a doctor at once. Urgent hospital treatment is likely to be needed.

If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain

If swallowed do NOT induce vomiting.

open airway and prevent aspiration.

Version No: 2.1 Page 5 of 26 Issue Date: 06/03/2024

CHEM-ROCK PRIMER 'B'

- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
- Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.
- ▶ Transport to hospital or doctor without delay.

For amines:

- If liquid amine are ingested, have the affected person drink several glasses of water or milk.
- Do not induce vomiting.
- Immediately transport to a medical facility and inform medical personnel about the nature of the exposure.

 The decision of whether to induce vomiting should be made by an attending physician.

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

for salicylate intoxication:

- · Pending gastric lavage, use emetics such as syrup of Ipecac or delay gastric emptying and absorption by swallowing a slurry of activated charcoal. Do not give ipecac after charcoal.
- · Gastric lavage with water or perhaps sodium bicarbonate solution (3%-5%). Mild alkali delays salicylate absorption from the stomach and perhaps slightly from the duodenum.
- · Saline catharsis with sodium or magnesium sulfate (15-30 gm in water).
- · Take an immediate blood sample for an appraisal of the patient's acid-base status. A pH determination on an anaerobic sample of arterial blood is best. An analysis of the plasma salicylate concentration should be made at the same time. Laboratory controls are almost essential for the proper management of severe salicylism.
- · In the presence of an established acidosis, alkali therapy is essential, but at least in an adult, alkali should be withheld until its need is demonstrated by chemical analysis. The intensity of treatment depends on the intensity of acidosis. In the presence of vomiting, intravenous sodium bicarbonate is the most satisfactory of all alkali therapy.
- · Correct dehydration and hypoglycaemia (if present) by the intravenous administration of glucose in water or in isotonic saline. The administration of glucose may also serve to remedy ketosis which is often seen in poisoned children.
- · Even in patients without hypoglycaemia, infusions of glucose adequate to produce distinct hyperglycaemia are recommended to prevent glucose depletion in the brain. This recommendation is based on impressive experimental data in animals.
- · Renal function should be supported by correcting dehydration and incipient shock. Overhydration is not justified. An alkaline urine should be maintained by the administration of alkali if necessary with care to prevent a severe systemic alkalosis. As long as urine remains alkaline (pH above 7.5), administration of an osmotic diuretic such as mannitol or perhaps THAM is useful, but one must be careful to avoid hypokalaemia. Supplements of potassium chloride should be included in parenteral fluids.
- · Small doses of barbiturates, diazepam, paraldehyde, or perhaps other sedatives (but probably not morphine) may be required to suppress extreme restlessness and convulsions.
- · For hyperpyrexia, use sponge baths.

The presence of petechiae or other signs of haemorrhagic tendency calls for a large Vitamin K dose and perhaps ascorbic acid. Minor transfusions may be necessary since bleeding in salicylism is not always due to a prothrombin effect.

· Haemodialysis and haemoperfusion have proved useful in salicylate poisoning, as have peritoneal dialysis and exchange transfusions, but alkaline diuretic therapy is probably sufficient except in fulminating cases.

[GOSSELIN, et.al.: Clinical Toxicology of Commercial Products]

The mechanism of the toxic effect involves metabolic acidosis, respiratory alkalosis, hypoglycaemia, and potassium depletion. Salicylate poisoning is characterised by extreme acid-base disturbances, electrolyte disturbances and decreased levels of consciousness. There are differences between acute and chronic toxicity and a varying clinical picture which is dependent on the age of the patient and their kidney function. The major feature of poisoning is metabolic acidosis due to 'uncoupling of oxidative phosphorylation' which produces an increased metabolic rate, increased oxygen consumption, increased formation of carbon dioxide, increased heat production and increased utilisation of glucose. Direct stimulation of the respiratory centre leads to hyperventilation and respiratory alkalosis. This leads to compensatory increased renal excretion of bicarbonate which contributes to the metabolic acidosis which may coexist or develop subsequently. Hypoglycaemia may occur as a result of increased glucose demand, increased rates of tissue glycolysis, and impaired rate of glucose synthesis. **NOTE:** Tissue glucose levels may be lower than plasma levels. Hyperglycaemia may occur due to increased glycogenolysis. Potassium depletion occurs as a result of increased renal excretion as well as intracellular movement of potassium.

Salicylates competitively inhibit vitamin K dependent synthesis of factors II, VII, IX, X and in addition, may produce a mild dose dependent hepatitis. Salicylates are bound to albumin. The extent of protein binding is concentration dependent (and falls with higher blood levels). This, and the effects of acidosis, decreasing ionisation, means that the volume of distribution increases markedly in overdose as does CNS penetration. The extent of protein binding (50-80%) and the rate of metabolism are concentration dependent. Hepatic clearance has zero order kinetics and thus the therapeutic half-life of 2-4.5 hours but the half-life in overdose is 18-36 hours. Renal excretion is the most

Version No: 2.1 Page 6 of 26 Issue Date: 06/03/2024
Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

important route in overdose. Thus when the salicylate concentrations are in the toxic range there is increased tissue distribution and impaired clearance of the drug.

HyperTox 3.0 https://www.ozemail.com.au/-ouad/SALI0001.HTA

Treat symptomatically.

Clinical experience of benzyl alcohol poisoning is generally confined to premature neonates in receipt of preserved intravenous salines.

- Metabolic acidosis, bradycardia, skin breakdown, hypotonia, hepatorenal failure, hypotension and cardiovascular collapse are characteristic
- · High urine benzoate and hippuric acid as well as elevated serum benzoic acid levels are found.
- The so-called 'gasping syndrome describes the progressive neurological deterioration of poisoned neonates.
- Management is essentially supportive.

For acute or short term repeated exposures to phenols/ cresols:

- Phenol is absorbed rapidly through lungs and skin. [Massive skin contact may result in collapse and death]*
- [Ingestion may result in ulceration of upper respiratory tract; perforation of oesophagus and/or stomach, with attendant complications, may occur. Oesophageal stricture may occur.]*
- An initial excitatory phase may present. Convulsions may appear as long as 18 hours after ingestion. Hypotension and ventricular tachycardia that require vasopressor and antiarrhythmic therapy, respectively, can occur.
- Respiratory arrest, ventricular dysrhythmias, seizures and metabolic acidosis may complicate severe phenol exposures so the initial attention should be directed towards stabilisation of breathing and circulation with ventilation, intubation, intravenous lines, fluids and cardiac monitoring as indicated.
- [Vegetable oils retard absorption; do NOT use paraffin oils or alcohols. Gastric lavage, with endotracheal intubation, should be repeated until phenol odour is no longer detectable; follow with vegetable oil. A saline cathartic should then be given.]* ALTERNATIVELY:

 Activated charcoal (1g/kg) may be given. A cathartic should be given after oral activated charcoal.
- Severe poisoning may require slow intravenous injection of methylene blue to treat methaemoglobinaemia.
- [Renal failure may require haemodialysis.]*
- Most absorbed phenol is biotransformed by the liver to ethereal and glucuronide sulfates and is eliminated almost completely after 24 hours. [Ellenhorn and Barceloux: Medical Toxicology] *[Union Carbide]

BIOLOGICAL EXPOSURE INDEX - BEI

These represent the determinants observed in specimens collected from a healthy worker who has been exposed to the Exposure Standard (ES or TLV):

Determinant Index Sampling Time Comments
1. Total phenol in blood 250 mg/gm creatinine End of shift B, NS

B: Background levels occur in specimens collected from subjects NOT exposed

NS: Non-specific determinant; also seen in exposure to other materials

for non-steroidal anti-inflammatories (NSAIDs)

- Symptoms following acute NSAIDs overdoses are usually limited to lethargy, drowsiness, nausea, vomiting, and epigastric pain, which are generally reversible with supportive care. Gastrointestinal bleeding can occur. Hypertension, acute renal failure, respiratory depression, and coma may occur, but are rare. Anaphylactoid reactions have been reported with therapeutic ingestion of NSAIDs, and may occur following an overdose.
- Patients should be managed by symptomatic and supportive care following a NSAIDs overdose.
- There are no specific antidotes.
- Emesis and/or activated charcoal (60 to 100 grams in adults, 1 to 2 g/kg in children), and/or osmotic cathartic may be indicated in patients seen within 4 hours of ingestion with symptoms or following a large overdose (5 to 10 times the usual dose).
- Forced diuresis, alkalinisation of urine, hemodialysis, or haemoperfusion may not be useful due to high protein binding.
- ▶ For gastrointestinal haemorrhage, monitor stool guaiac and administer antacids or sucralfate.
- For mild/moderate allergic reactions, administer antihistamines with or without inhaled beta agonists, corticosteroids, or epinephrine.
- For severe allergic reactions, administer oxygen, antihistamines, epinephrine, or corticosteroids. Nephritis or nephrotic syndrome, thrombocytopenia, or haemolytic anemia may respond to glucocorticoid administration.
- For severe acidosis, administer sodium bicarbonate.
- Administer as required: plasma volume expanders for severe hypotension; diazepam or other benzodiazepine for convulsions; vitamin K1 for hypoprothrombinaemia; and/or dopamine plus dobutamine intravenously to prevent or reverse early indications of renal failure.

Serious gastrointestinal toxicity, such as bleeding, ulceration, and perforation, can occur at any time, with or without warning symptoms, in patients treated chronically with NSAID therapy. Although minor upper gastrointestinal problems, such as dyspepsia, are common, usually developing early in therapy, physicians should remain alert for ulceration and bleeding in patients treated chronically with NSAIDs even in

Version No: 2.1 Page 7 of 26 Issue Date: 06/03/2024
Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

the absence of previous GI tract symptoms. In patients observed in clinical trials of several months to two years duration, symptomatic upper GI ulcers, gross bleeding or perforation appear to occur in approximately 1% of patients treated for 3 to 6 months, and in about 2% to 4% of patients treated for one year. Physicians should inform patients about the signs and/or symptoms of serious GI toxicity and what steps to take if they occur.

Studies to date have not identified any subset of patients not at risk of developing peptic ulceration and bleeding. Except for a prior history of serious GI events and other risk factors known to be associated with peptic ulcer disease, such as alcoholism, smoking, etc., no risk factors (e.g., age, sex) have been associated with increased risk. Elderly or debilitated patients seem to tolerate ulceration or bleeding less well than other individuals, and most spontaneous reports of fatal GI events are in this population. Studies to date are inconclusive concerning the relative risk of various NSAIDs in causing such reactions. High doses of any NSAID probably carry a greater risk of these reactions, although controlled clinical trials showing this do not exist in most cases. In considering the use of relatively large doses (within the recommended dosage range), sufficient benefit should be anticipated to offset the potential increased risk of GI toxicity.

For acute or short-term repeated exposures to highly alkaline materials:

- Respiratory stress is uncommon but present occasionally because of soft tissue edema.
- Unless endotracheal intubation can be accomplished under direct vision, cricothyroidotomy or tracheotomy may be necessary.
- Oxygen is given as indicated.
- The presence of shock suggests perforation and mandates an intravenous line and fluid administration.
- Damage due to alkaline corrosives occurs by liquefaction necrosis whereby the saponification of fats and solubilisation of proteins allow deep penetration into the tissue.

Alkalis continue to cause damage after exposure.

INGESTION:

• Milk and water are the preferred diluents

No more than 2 glasses of water should be given to an adult.

- Neutralising agents should never be given since exothermic heat reaction may compound injury.
- * Catharsis and emesis are absolutely contra-indicated.
- * Activated charcoal does not absorb alkali.
- * Gastric lavage should not be used.

Supportive care involves the following:

- Withhold oral feedings initially.
- If endoscopy confirms transmucosal injury start steroids only within the first 48 hours.
- · Carefully evaluate the amount of tissue necrosis before assessing the need for surgical intervention.
- Patients should be instructed to seek medical attention whenever they develop difficulty in swallowing (dysphagia).

SKIN AND EYE:

Injury should be irrigated for 20-30 minutes.

Eye injuries require saline. [Ellenhorn & Barceloux: Medical Toxicology]

For amines:

- Certain amines may cause injury to the respiratory tract and lungs if aspirated. Also, such products may cause tissue destruction leading to stricture. If lavage is performed, endotracheal and/or esophagoscopic control is suggested.
- ▶ No specific antidote is known.
- Care should be supportive and treatment based on the judgment of the physician in response to the reaction of the patient.

Laboratory animal studies have shown that a few amines are suspected of causing depletion of certain white blood cells and their precursors in lymphoid tissue. These effects may be due to an immunosuppressive mechanism.

Some persons with hyperreactive airways (e.g., asthmatic persons) may experience wheezing attacks (bronchospasm) when exposed to airway irritants.

Lung injury may result following a single massive overexposure to high vapour concentrations or multiple exposures to lower concentrations of any pulmonary irritant material.

Health effects of amines, such as skin irritation and transient corneal edema ("blue haze," "halo effect," "glaucopsia"), are best prevented by means of formal worker education, industrial hygiene monitoring, and exposure control methods. Persons who are highly sensitive to the triggering effect of non-specific irritants should not be assigned to jobs in which such agents are used, handled, or manufactured.

Medical surveillance programs should consist of a pre-placement evaluation to determine if workers or applicants have any impairments (e.g., hyperreactive airways or bronchial asthma) that would limit their fitness for work in jobs with potential for exposure to amines. A clinical baseline can be established at the time of this evaluation.

Periodic medical evaluations can have significant value in the early detection of disease and in providing an opportunity for health counseling.

Medical personnel conducting medical surveillance of individuals potentially exposed to polyurethane amine catalysts should consider the following:

- ▶ Health history, with emphasis on the respiratory system and history of infections
- Physical examination, with emphasis on the respiratory system and the lymphoreticular organs (lymph nodes, spleen, etc.)
- Lung function tests, pre- and post-bronchodilator if indicated
- ▶ Total and differential white blood cell count

Version No: **2.1** Page **8** of **26** Issue Date: **06/03/2024**

CHEM-ROCK PRIMER 'B'

Serum protein electrophoresis

Persons who are concurrently exposed to isocyanates also should be kept under medical surveillance.

Pre-existing medical conditions generally aggravated by exposure include skin disorders and allergies, chronic respiratory disease (e.g. bronchitis, asthma, emphysema), liver disorders, kidney disease, and eye disease.

Broadly speaking, exposure to amines, as characterised by amine catalysts, may cause effects similar to those caused by exposure to ammonia. As such, amines should be considered potentially injurious to any tissue that is directly contacted.

Inhalation of aerosol mists or vapors, especially of heated product, can result in chemical pneumonitis, pulmonary edema, laryngeal edema, and delayed scarring of the airway or other affected organs. There is no specific treatment.

Clinical management is based upon supportive treatment, similar to that for thermal burns.

Persons with major skin contact should be maintained under medical observation for at least 24 hours due to the possibility of delayed reactions.

Polyurethene Amine Catalysts: Guidelines for Safe Handling and Disposal Technical Bulletin June 2000 Alliance for Polyurethanes Industry

SECTION 5 Fire-fighting measures

Extinguishing media

- ▶ Foam.
- Dry chemical powder.

Special hazards arising from the substrate or mixture

Fire	Incompatibili	ty
------	---------------	----

• Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

Special protective equipment and precautions for fire-fighters

Alert Fire Brigade and tell them location and nature of hazard.
Wear full body protective clothing with breathing apparatus.
For amines:
▶ For firefighting, cleaning up large spills, and other emergency operations, workers must wear a self-
contained breathing apparatus with full face-piece, operated in a pressure-demand mode.
▶ Airline and air purifying respirators should not be worn for firefighting or other emergency or upset
conditions.
▶ Combustible.
► Slight fire hazard when exposed to heat or flame.
Combustion products include:
carbon dioxide (CO2)
` '
aldehydes
nitrogen oxides (NOx)
other pyrolysis products typical of burning organic material.
May emit corrosive fumes.
WARNING: Long standing in contact with air and light may result in the formation
of potentially explosive peroxides.

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills

Environmental hazard - contain spillage.

Drains for storage or use areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material.

Print Date: 06/04/2024

 Version No: 2.1
 Page 9 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024
 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

	▶ Check regularly for spills and leaks.	
	▶ Clean up all spills immediately.	
Avoid breathing vapours and contact with skin and eyes.		
for amines:		
	▶ If possible (i.e., without risk of contact or exposure), stop the leak.	
	▶ Contain the spilled material by diking, then neutralize.	
	Environmental hazard - contain spillage.	
	▶ Clear area of personnel and move upwind.	
	▶ Alert Fire Brigade and tell them location and nature of hazard.	
Major Spills	For amines:	
	▶ First remove all ignition sources from the spill area.	
	▶ Have firefighting equipment nearby, and have firefighting personnel fully trained in the proper use of the	
	equipment and in the procedures used in fighting a chemical fire.	

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Precautions for safe handling

Safe handling	 Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. DO NOT allow clothing wet with material to stay in contact with skin 		
Other information	 Store in original containers. Keep containers securely sealed. DO NOT store near acids, or oxidising agents No smoking, naked lights, heat or ignition sources. 		

Conditions for safe storage, including any incompatibilities

Suitable container	 Glass container is suitable for laboratory quantities DO NOT use aluminium, galvanised or tin-plated containers Lined metal can, lined metal pail/ can. Plastic pail. For low viscosity materials Drums and jerricans must be of the non-removable head type. Where a can is to be used as an inner package, the can must have a screwed enclosure.
Storage incompatibility	Benzyl alcohol: In may froth in contact with water In slowly oxidises in air, oxygen forming benzaldehyde In it is incompatible with mineral acids, caustics, aliphatic amines, isocyanates In reacts violently with strong oxidisers, and explosively with sulfuric acid at elevated temperatures In corrodes aluminium at high temperatures In it is incompatible with aluminum, iron, steel In attacks some nonfluorinated plastics; may attack, extract and dissolve polypropylene Benzyl alcohol contaminated with 1.4% hydrogen bromide and 1.2% of dissolved iron(II) polymerises exothermically above 100 deg. C. In Avoid contact with copper, aluminium and their alloys. In Avoid strong acids, acid chlorides, acid anhydrides and chloroformates. In Avoid reaction with oxidising agents

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

 Version No: 2.1
 Page 10 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US NIOSH Recommended Exposure Limits (RELs)	m- xylenediamine	m-Xylene-alpha,alpha'-diamine	Not Available	Not Available	0.1 mg/m3	[skin]
US OSHA Permissible Exposure Limits (PELs) Table Z-1	p-tert- butylphenol	Particulates Not Otherwise Regulated (PNOR)- Respirable fraction	5 mg/m3	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Limits (PELs) Table Z-1	p-tert- butylphenol	Particulates Not Otherwise Regulated (PNOR)- Total dust	15 mg/m3	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Limits (PELs) Table Z-3	p-tert- butylphenol	Inert or Nuisance Dust: Total Dust	15 mg/m3 / 50 mppcf	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Limits (PELs) Table Z-3	p-tert- butylphenol	Inert or Nuisance Dust: Respirable fraction	5 mg/m3 / 15 mppcf	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	p-tert- butylphenol	Particulates not otherwise regulated	Not Available	Not Available	Not Available	See Appendix D

Emergency Limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
benzyl alcohol	30 ppm	52 ppm	740 ppm
triethylenetetramine	3 ppm	14 ppm	83 ppm
p-tert-butylphenol	1.5 mg/m3	40 mg/m3	240 mg/m3
nonylphenol	3.9 mg/m3	43 mg/m3	260 mg/m3
nonylphenol	3.9 mg/m3	43 mg/m3	260 mg/m3

Ingredient	Original IDLH	Revised IDLH
polyamide resin	Not Available	Not Available
benzyl alcohol	Not Available	Not Available
triethylenetetramine	Not Available	Not Available
salicylic acid	Not Available	Not Available
m-xylenediamine	Not Available	Not Available
p-tert-butylphenol	Not Available	Not Available
trimethylhexamethylene diamine	Not Available	Not Available
nonylphenol	Not Available	Not Available
nonylphenol	Not Available	Not Available

Occupational Exposure Banding

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
benzyl alcohol	E	≤ 0.1 ppm
triethylenetetramine	E	≤ 0.1 ppm
salicylic acid	E	≤ 0.01 mg/m³
trimethylhexamethylene diamine	Е	≤ 0.1 ppm

Notes:

Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.

 Version No: 2.1
 Page 11 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
nonylphenol	E	≤ 0.1 ppm
nonylphenol	Е	≤ 0.1 ppm
Notes:	Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.	

Exposure controls

Exposure controls	
Appropriate engineering controls	Enclosed local exhaust ventilation is required at points of dust, fume or vapour generation. HEPA terminated local exhaust ventilation should be considered at point of generation of dust, fumes or vapours.
Individual protection measures, such as personal protective equipment	
Eye and face protection	When handling very small quantities of the material eye protection may not be required. For laboratory, larger scale or bulk handling or where regular exposure in an occupational setting occurs: Chemical goggles. For amines: SPECIAL PRECAUTION: Because amines are alkaline materials that can cause rapid and severe tissue damage, wearing of contact lenses while working with amines is strongly discouraged. Wearing such lenses can prolong contact of the eye tissue with the amine, thereby causing more severe damage.
Skin protection	See Hand protection below
Hands/feet protection	 Elbow length PVC gloves When handling corrosive liquids, wear trousers or overalls outside of boots, to avoid spills entering boots. NOTE: The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact. The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Rubber gloves (nitrile or low-protein, powder-free latex, latex/ nitrile). Employees allergic to latex gloves should use nitrile gloves in preference. When handling liquid-grade epoxy resins wear chemically protective gloves, boots and aprons. Ethyl Vinyl Alcohol (EVAL laminate) is generally excellent Butyl Rubber ranges from excellent to good Nitrile Butyl Rubber (NBR) from excellent to fair. For amines: Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.
Body protection	See Other protection below
Other protection	► Overalls. ► PVC Apron.

Respiratory protection

Type AK-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

- Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted.

 Version No: 2.1
 Page 12 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

Because of these limitations, only restricted use of cartridge respirators is considered appropriate.

• Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

Where engineering controls are not feasible and work practices do not reduce airborne amine concentrations below recommended exposure limits, appropriate respiratory protection should be used. In such cases, air-purifying respirators equipped with cartridges designed to protect against amines are recommended.

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Not Available		
Physical state	Liquid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n- octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	>100	Taste	Not Available
Evaporation rate	Not Available BuAC = 1	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Immiscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	<50 when mixed as intended

SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	 Unstable in the presence of incompatible materials. Product is considered stable.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition	See section 5

Version No: 2.1 Page 13 of 26 Issue Date: 06/03/2024
Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

products

SECTION 11 Toxicological information

Information on toxicological effects

Inhaled

Ingestion

The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.

Inhaling corrosive bases may irritate the respiratory tract. Symptoms include cough, choking, pain and damage to the mucous membrane.

Inhalation of amine vapours may cause irritation of the mucous membrane of the nose and throat, and lung irritation with respiratory distress and cough. Swelling and inflammation of the respiratory tract is seen in serious cases; with headache, nausea, faintness and anxiety.

Inhalation of epoxy resin amine hardeners (including polyamines and amine adducts) may produce bronchospasm and coughing episodes lasting several days after cessation of the exposure. Even faint traces of these vapours may trigger an intense reaction in individuals showing 'amine asthma'.

Inhalation of benzyl alcohol may affect breathing (causing depression and paralysis of breathing and lower blood pressure.

Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the health of the individual.

Ingestion of alkaline corrosives may produce burns around the mouth, ulcerations and swellings of the mucous membranes, profuse saliva production, with an inability to speak or swallow. Both the oesophagus and stomach may experience burning pain; vomiting and diarrhoea may follow.

Nonionic surfactants may produce localised irritation of the oral or gastrointestinal lining and induce vomiting and mild diarrhoea.

Amines without benzene rings when swallowed are absorbed throughout the gut. Corrosive action may cause damage throughout the gastrointestinal tract.

Ingestion of amine epoxy-curing agents (hardeners) may cause severe abdominal pain, nausea, vomiting or diarrhoea. The vomitus may contain blood and mucous.

High oral doses of salicylates, such as aspirin, may cause a mild burning pain in the throat and stomach, causing vomiting. This is followed (within hours) by deep, rapid breathing, tiredness, nausea and further vomiting, thirst and diarrhoea.

The material has **NOT** been classified by EC Directives or other classification systems as 'harmful by ingestion'. This is because of the lack of corroborating animal or human evidence.

Non-steroidal anti-inflammatory drug (NSAID) overdose may produce nausea, vomiting, indigestion and upper abdominal pain. Other effects may include drowsiness, dizziness, confusion, disorientation, lethargy, 'pins and needles', intense headache, blurred vision, ringing in the ears, muscle twitching, convulsions, stupor and coma

Swallowing large doses of benzyl alcohol may cause abdominal pain, nausea, vomiting and diarrhea. It may affect behaviour and/or the central nervous system, and cause headache, sleepiness, excitement, dizziness, inco-ordination, coma, convulsions and other symptoms of central nervous system depression.

Accidental ingestion of the material may be damaging to the health of the individual.

The material can produce severe chemical burns following direct contact with the skin.

Skin contact with the material may damage the health of the individual; systemic effects may result following absorption.

Non-ionic surfactants cause less irritation than other surfactants as they have less ability to denature protein in the skin

Skin Contact

Amine epoxy-curing agents (hardeners) may produce primary skin irritation and sensitisation dermatitis in predisposed individuals. Cutaneous reactions include erythema, intolerable itching and severe facial swelling. Open cuts, abraded or irritated skin should not be exposed to this material

Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

Skin contact with alkaline corrosives may produce severe pain and burns; brownish stains may develop. The corroded area may be soft, gelatinous and necrotic; tissue destruction may be deep.

Volatile amine vapours produce irritation and inflammation of the skin. Direct contact can cause burns.

Eye

If applied to the eyes, this material causes severe eye damage.

Continued...

Version No: 2.1 Page 14 of 26 Issue Date: 06/03/2024
Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

Direct eye contact with corrosive bases can cause pain and burns. There may be swelling, epithelium destruction, clouding of the cornea and inflammation of the iris. Vapours of volatile amines irritate the eyes, causing excessive secretion of tears, inflammation of the conjunctiva and slight swelling of the cornea, resulting in 'halos' around lights. This effect is temporary, lasting only for a few hours. Non-ionic surfactants can cause numbing of the cornea, which masks discomfort normally caused by other agents and leads to corneal injury. Irritation varies depending on the duration of contact, the nature and concentration of the surfactant. Repeated or prolonged exposure to corrosives may result in the erosion of teeth, inflammatory and ulcerative changes in the mouth and necrosis (rarely) of the jaw. Bronchial irritation, with cough, and frequent attacks of bronchial pneumonia may ensue. Long-term exposure to respiratory irritants may result in airways disease, involving difficulty breathing and related whole-body problems. Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population. Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. This material can cause serious damage if one is exposed to it for long periods. It can be assumed that it contains a substance which can produce severe defects. Ample evidence from experiments exists that there is a suspicion this material directly reduces fertility. Substance accumulation, in the human body, may occur and may cause some concern following repeated or Chronic long-term occupational exposure. Prolonged use of non-steroidal analgesics damages the lining of the gastrointestinal tract, causing ulcers and bleeding. There may be diarrhoea or constipation, perforations causing serious infection, and blood in the vomit or stools. Chronic exposure to salicylates produce problems with metabolism, central nervous system disturbances, or kidney damage. Those with pre-existing damage to the eye, skin or kidney are especially at risk. Prolonged or repeated skin contact may cause degreasing, followed by drying, cracking and skin inflammation. There has been some concern that this material can cause cancer or mutations but there is not enough data to make an assessment. Prolonged or repeated exposure to benzyl alcohol may cause allergic contact dermatitis (skin inflammation). Prolonged or repeated swallowing may affect behaviour and the central nervous system with symptoms similar to acute swallowing. **TOXICITY** IRRITATION **CHEM-ROCK PRIMER** Not Available Not Available **TOXICITY IRRITATION** polyamide resin Not Available Skin (rabbit): mild [Man HENK] TOXICITY **IRRITATION** Eye (rabbit): 0.75 mg open SEVERE Dermal (rabbit) LD50: 2000 mg/kg^[2] Inhalation (Rat) LC50: >4.178 mg/L4h^[2] Eye: adverse effect observed (irritating)^[1] benzyl alcohol Oral (Rat) LD50: 1230 mg/kg^[2] Skin (man): 16 mg/48h-mild Skin (rabbit):10 mg/24h open-mild Skin: no adverse effect observed (not irritating)^[1] triethylenetetramine TOXICITY **IRRITATION**

Dermal (rabbit) LD50: 805 mg/kg^[2]
Oral (Rat) LD50: 1591.4 mg/kg^[1]

Eye (rabbit):20 mg/24 h - moderate

Eye: adverse effect observed (irritating)^[1]

Eye (rabbit); 49 mg - SEVERE

 Version No: 2.1
 Page 15 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

			Skin (rabbit): 490 mg open SEVERE
			Skin (rabbit): 5 mg/24 SEVERE
			Skin: adverse effect observed (corrosive) ^[1]
	TOXICITY		IRRITATION
	dermal (rat) LD50: >2000 m	g/kg ^[2]	Eye (rabbit): 100 mg - SEVERE [*BDH], [**Extal]
salicylic acid	Inhalation (Rat) LC50: >0.22	25 mg/l4h ^[2]	Eye: adverse effect observed (irritating) ^[1]
	Oral (Cat) LD50; 400 mg/kg	[2]	Skin (rabbit): 500 mg/24h - mild
	, ,		Skin: no adverse effect observed (not irritating) ^[1]
	TOXICITY		IRRITATION
	Dermal (rabbit) LD50: 2000	mg/kg ^[2]	Eye (rabbit): 0.05 mg/24h SEVERE
	Inhalation (Rat) LC50: 700 p	ppm/1h ^[2]	Eye: adverse effect observed (irritating) ^[1]
m-xylenediamine	Oral (Rat) LD50: 930 mg/kg	[2]	Skin (rabbit): 0.75 mg/24h SEVERE
			Skin: adverse effect observed (corrosive) ^[1]
			Skin: adverse effect observed (irritating) ^[1]
	TOXICITY		IRRITATION
	Dermal (rabbit) LD50: 2288	mg/kg ^[2]	Eye (rabbit) 0.05 mg/24h - SEVERE
p-tert-butylphenol	Oral (Rat) LD50: 2951 mg/k	g ^[2]	Eye (rabbit): 10 mg - SEVERE
,,			Eye: adverse effect observed (irritating) ^[1]
			Skin (rabbit): 500 mg/4h - mild
			Skin: adverse effect observed (irritating) ^[1]
	TOVICITY	IDDITATION	
	TOXICITY Oral (Rat) LD50: 910	IRRITATION Eve (rabbit): Corre	osive *Sensitiser ** [* = Manufacturer CG] [** = Manufacturer
trimethylhexamethylene	mg/kg ^[2]	Degussa]	Sive Sensitiser [- Mandiacturer CO][- Mandiacturer
diamine		Eye: adverse effec	ct observed (irreversible damage) ^[1]
		Skin (rabbit): Corre	osive *
		Skin: adverse effe	ct observed (corrosive) ^[1]
	TOXICITY	roi	IRRITATION
	Oral (Rat) LD50: 1620 mg/k		Eye (rabbit): 0.5 mg (open)-SEVERE
nonylphenol	Skin (rabbit) LD50: 2140 mg	g/kg ^[2]	Eye: adverse effect observed (irritating) ^[1]
			Skin (rabbit): 500 mg(open)-mod
			Skin(rabbit):10mg/24h(open)-SEVERE Skin: adverse effect observed (corrosive) ^[1]
			Skin: adverse effect observed (corrosive)
nonylphenol	TOXICITY		IRRITATION
	Dermal (rabbit) LD50: >2000	0 mg/kg ^[2]	Eye (rabbit): 0.5 mg (open)-SEVERE
	Oral (Rat) LD50: 1000-2500	mg/kg ^[2]	Eye: adverse effect observed (irritating) ^[1]
			Skin (rabbit): 500 mg(open)-mod

Version No: 2.1 Page 16 of 26 Issue Date: 06/03/2024 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

	Skin(rabbit):10mg/24h(open)-SEVERE
	Skin: adverse effect observed (corrosive) ^[1]

Legend:

1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

BENZYL ALCOHOL

Unlike benzylic alcohols, the beta-hydroxyl group of the members of benzyl alkyl alcohols contributes to break down reactions but do not undergo phase II metabolic activation. Though structurally similar to cancer causing ethyl benzene, phenethyl alcohol is only of negligible concern due to limited similarity in their pattern of activity.

For benzoates:

Benzyl alcohol, benzoic acid and its sodium and potassium salt have a common metabolic and excretion pathway. All but benzyl alcohol are considered to be unharmful and of low acute toxicity. This is a member or analogue of a group of benzyl derivatives generally regarded as safe (GRAS), based partly on their self-limiting properties as flavouring substances in food. In humans and other animals, they are rapidly absorbed, broken down and excreted, with a wide safety margin. The aryl alkyl alcohol (AAA) fragrance ingredients have diverse chemical structures, with similar metabolic and toxicity profiles. The AAA fragrances demonstrate low acute and subchronic toxicity by skin contact and swallowing.

TRIETHYLENETETRAMINE

Ethyleneamines are very reactive and can cause chemical burns, skin rashes and asthma-like symptoms. It is readily absorbed through the skin and may cause eye blindness and irreparable

For alkyl polyamines:

The alkyl polyamines cluster consists of two terminal primary and at least one secondary amine groups and are derivatives of low molecular weight ethylenediamine, propylenediamine or hexanediamine. Toxicity depends on route of exposure.

Triethylenetetramine is a severe irritant to skin and eyes and may induce skin sensitisation. Acute exposure to saturated vapour via inhalation was tolerated without impairment but exposure to aerosol may lead to reversible irritations of the mucous membranes in the airways.

Exposure to the material for prolonged periods may cause physical defects in the developing embryo (teratogenesis).

For certain benzyl derivatives:

The members of this group are rapidly absorbed through the gastrointestinal tract, metabolised primarily in the liver, and excreted primarily in the urine either unchanged or as conjugates of benzoic acid derivatives. At high dose levels, gut micro-organisms may act to produce minor amounts of breakdown products.

SALICYLIC ACID

A member or analogue of a group of hydroxy and alkoxy-substituted benzyl derivatives generally regarded as safe (GRAS) based in part on their self-limiting properties as flavouring substances in food; their rapid absorption. metabolic detoxification, and excretion in humans and other animals, their low level of flavour use, the wide margin of safety between the conservative estimates of intake and the no-observed-adverse effect levels determined from chronic and subchronic studies and the lack of significant genotoxic and mutagenic potential.

Allergic reactions involving the respiratory tract are usually due to interactions between IgE antibodies and allergens and occur rapidly. Allergic potential of the allergen and period of exposure often determine the severity of symptoms.

Attention should be paid to atopic diathesis, characterised by increased susceptibility to nasal inflammation, asthma and eczema.

m-xylenediamine

Exogenous allergic alveolitis is induced essentially by allergen specific immune-complexes of the IgG type; cell-mediated reactions (T lymphocytes) may be involved. Such allergy is of the delayed type with onset up to four hours following exposure.

For benzene-1,3-dimethanamine (m-xylene-alpha,alpha -diamine):

Animal testing showed that benzene-1,3-methanamine caused tissue damage to the digestive and respiratory organs, if given by mouth or inhaled, respectively. The chemical is corrosive to animal skin, and may cause sensitization.

 Version No: 2.1
 Page 17 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

p-tert-butylphenol	For p-tert-butylphenol: p-tert-butylphenol has low acute toxicity via all routes. It irritates the skin, eyes and airway.
TRIMETHYLHEXAMETHYLENE DIAMINE	The material may produce respiratory tract irritation, and result in damage to the lung including reduced lung function.
CHEM-ROCK PRIMER 'B' & TRIETHYLENETETRAMINE & SALICYLIC ACID & m- xylenediamine & p-tert- butylphenol & TRIMETHYLHEXAMETHYLENE DIAMINE & nonylphenol & NONYLPHENOL	Asthma-like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compound.
CHEM-ROCK PRIMER 'B' & BENZYL ALCOHOL & TRIETHYLENETETRAMINE & m-xylenediamine & TRIMETHYLHEXAMETHYLENE DIAMINE	The following information refers to contact allergens as a group and may not be specific to this product. Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema.
CHEM-ROCK PRIMER 'B' & BENZYL ALCOHOL	Adverse reactions to fragrances in perfumes and fragranced cosmetic products include allergic contact dermatitis, irritant contact dermatitis, sensitivity to light, immediate contact reactions, and pigmented contact dermatitis. Airborne and connubial contact dermatitis occurs. Fragrance allergens act as haptens, low molecular weight chemicals that cause an immune response only when attached to a carrier protein. However, not all sensitizing fragrance chemicals are directly reactive, but require previous activation.
CHEM-ROCK PRIMER 'B' & SALICYLIC ACID	The salicylates are well absorbed by mouth, and oral bioavailability is assumed to be total. In humans, absorption through skin is more limited.
CHEM-ROCK PRIMER 'B' & m- xylenediamine & TRIMETHYLHEXAMETHYLENE DIAMINE	Overexposure to most of these materials may cause adverse health effects. Many amine-based compounds can cause release of histamines, which, in turn, can trigger allergic and other physiological effects, including constriction of the bronchi or asthma and inflammation of the cavity of the nose. Whole-body symptoms include headache, nausea, faintness, anxiety, a decrease in blood pressure, rapid heartbeat, itching, reddening of the skin, urticaria (hives) and swelling of the face, which are usually transient. There are generally four routes of possible or potential exposure: inhalation, skin contact, eye contact, and swallowing. Inhalation: Inhaling vapours may result in moderate to severe irritation of the tissues of the nose and throat and can irritate the lungs.
POLYAMIDE RESIN & TRIMETHYLHEXAMETHYLENE DIAMINE	The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.
POLYAMIDE RESIN & BENZYL ALCOHOL & SALICYLIC ACID & p-tert-butylphenol & TRIMETHYLHEXAMETHYLENE DIAMINE	The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.
TRIETHYLENETETRAMINE & SALICYLIC ACID & m-xylenediamine & p-tert-butylphenol & nonylphenol & NONYLPHENOL	The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.
TRIETHYLENETETRAMINE & m-xylenediamine & nonylphenol & NONYLPHENOL	The material may cause severe skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. Repeated exposures may produce severe ulceration.
p-tert-butylphenol & nonylphenol & NONYLPHENOL	These substances are intravenous anaesthetic agents. They have a very low level of acute toxicity; they may cause skin irritation.

Version No: **2.1** Page **18** of **26** Issue Date: **06/03/2024**

CHEM-ROCK PRIMER 'B'

Print Date: **06/04/2024**

nonylphenol & NONYLPHENOL

For nonylphenol and its compounds:

Alkylphenols like nonylphenol and bisphenol A have estrogenic effects in the body. They are known as xenoestrogens.

For nonylphenol:

Animal testing suggests that repeated exposure to nonylphenol may cause liver changes and kidney dysfunction. Nonylphenol was not found to cause mutations or chromosomal aberrations.

Acute Toxicity	~	Carcinogenicity	×
Skin Irritation/Corrosion	*	Reproductivity	~
Serious Eye Damage/Irritation	*	STOT - Single Exposure	×
Respiratory or Skin sensitisation	~	STOT - Repeated Exposure	~
Mutagenicity	×	Aspiration Hazard	×

Legend: X − Data either not available or does not fill the criteria for classification

✓ – Data available to make classification

SECTION 12 Ecological information

Toxicity

CHEM-ROCK PRIMER	Endpoint	Test Duration (hr)		Species	Value		Source	9
'B'	Not Available	Not Available	1	Not Available	Not Availal	ble	Not Av	ailable
polyamide resin	Endpoint	Test Duration (hr)		Species	Value		Source	9
polyannue resin	Not Available	Not Available	1	Not Available	Not Availal	ble	Not Av	ailable
	Endpoint	Test Duration (hr)	Speci	ies		Value		Source
	EC50	72h	Algae	or other aquati	c plants	500mg	ı/I	2
	LC50	96h	Fish			10mg/		2
benzyl alcohol	EC50	48h	Crusta	acea		230mg	ı/I	2
	NOEC(ECx)	336h	Fish			5.1mg/	′ I	2
	EC50	96h	Algae	or other aquation	c plants	76.828	lmg/l	2
	Endpoint	Test Duration (hr)	Spec	ies		Valu	е	Source
	ErC50	72h	Algae	e or other aquat	ic plants	2.5m	ng/l	1
	LC50	96h	Fish			180r	ng/l	1
triethylenetetramine	EC50	48h	Crust	tacea		31.1	mg/l	1
trietriylerietetranınıe	EC50	72h	Algae	e or other aquat	ic plants	2.5m	ng/l	1
	BCF	1008h	Fish			<0.5		7
	EC10(ECx)	72h	Algae	e or other aquat	ic plants	0.67	mg/l	1
	EC50	96h	Algae	e or other aquat	ic plants	3.7m	ng/L	4
	Endpoint	Test Duration (hr)	Spec	cies		Valu	е	Source
	LC50	96h	Fish			>100	mg/l	2
	NOFO(FO:	504h	Crus	tacea		<1m	g/l	4
salicylic acid	NOEC(ECx)	00-111						
salicylic acid	EC50	72h		e or other aquat	ic plants	>100	mg/l	2

 Version No: 2.1
 Page 19 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024
 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

Test Duration (h 72h 48h 504h 96h 1008h Test Duration (h 3072h 72h 48h 96h Test Duration (hr) 72h 72h 72h	Algae of Alg	cies e or other aquatic pla tacea	ants	Value 12mg/l 15.2mg/l 4.7mg/l <0.3 Value 0.01mg/L ~2.4mg/l 3.4-4.5m >1mg/l Value 29.5mg/l 29.5mg/l	g/l g/l g/l Source	Source 2 2 7 Source 2 4 2 vailable
48h 504h 96h 1008h Test Duration (h 3072h 72h 48h 96h Test Duration (hr) 72h 72h	Cru Cru Fish Fish Algae Crust Fish Algae c Algae c	istacea istacea h h cies e or other aquatic pla itacea es	ants	15.2m, 4.7mg, 75mg/l <0.3 Value 0.01mg/L ~2.4mg/l 3.4-4.5m >1mg/l Value 29.5mg/l	g/l I Source Not Av	2 2 7 Source 2 4 2 vailable
504h 96h 1008h Test Duration (h 3072h 72h 48h 96h Test Duration (hr) 72h 72h	Crustina Fish (hr) Species Fish Algaes Crustina Fish Algaes Algaes Algaes	istacea h cies e or other aquatic plantacea es or other aquatic plant	ts	4.7mg/l 75mg/l <0.3 Value 0.01mg/L ~2.4mg/l 3.4-4.5m >1mg/l Value 29.5mg/l	g/l Source	2 2 7 Source 2 2 4 2 vailable
96h 1008h Test Duration (h 3072h 72h 48h 96h Test Duration (hr) 72h 72h	Fish Fish Algae Crust Fish Algae Algae Algae Algae	cies e or other aquatic platacea es	ts	75mg/l <0.3 Value 0.01mg/L ~2.4mg/l 3.4-4.5m >1mg/l Value 29.5mg/l	g/l Source	2 7 Source 2 2 4 2 vailable
1008h Test Duration (h 3072h 72h 48h 96h Test Duration (hr) 72h 72h	Fish (hr) Specients Fish Algae Crust Fish Algae Algae Algae Algae	cies e or other aquatic pla stacea es or other aquatic plant	ts	<0.3 Value 0.01mg/L ~2.4mg/l 3.4-4.5m >1mg/l Value 29.5mg/l	g/l Source	Source 2 2 4 2 vailable
Test Duration (h 3072h 72h 48h 96h Test Duration (hr) 72h 72h	(hr) Speciel Algae of	cies e or other aquatic pla tacea es or other aquatic plan	ts	Value 0.01mg/L ~2.4mg/l 3.4-4.5m >1mg/l Value 29.5mg/l	g/I Sourc	Source 2 4 2 vailable
3072h 72h 48h 96h Test Duration (hr) 72h 72h	Fish Algae Crust Fish Algae Algae Algae Algae C	e or other aquatic pla stacea es or other aquatic plant	ts	0.01mg/L ~2.4mg/l 3.4-4.5m >1mg/l Value 29.5mg/l	g/l Sourc	2 2 4 2 ce vailable
72h 48h 96h Test Duration (hr) 72h 72h	Algae Crust Fish Specie Algae c Algae c	e or other aquatic pla tacea es or other aquatic plant	ts	~2.4mg/l 3.4-4.5m >1mg/l Value 29.5mg/l	g/I Source Not Av	2 4 2 ce vailable
48h 96h Test Duration (hr) 72h 72h	Crust Fish Algae of	etacea es or other aquatic plant	ts	3.4-4.5m >1mg/l Value 29.5mg/l	Source Not Av	2 ce vailable
96h Test Duration (hr) 72h 72h	Fish Specie Algae c	es or other aquatic plant	ts	>1mg/l Value 29.5mg/l	Sourc Not Av	2 ce vailable
Test Duration (hr) 72h 72h	Algae o	es or other aquatic plant	ts	Value 29.5mg/l	Source Not Av	ce vailable
72h 72h	Algae o	or other aquatic plan	ts	29.5mg/l	Not Av	vailable
72h 72h	Algae o	or other aquatic plan	ts	29.5mg/l	Not Av	vailable
72h	Algae o			_		
		or other aquatic plan	ts	29.5mg/l	Not A	vailable
Test Duration (hr)	r) Species					
			Value		Soul	rce
672h	Crustacea	a	0.004	mg/L	1	
72h	Algae or o	other aquatic plants	0.027	-0.033mg/l	4	
96h	Algae or o	other aquatic plants	0.027	mg/l	1	
48h	Crustacea	a	0.14m	ng/l	1	
96h	Fish		0.13m	ng/l	Not /	Available
Test Duration (hr	nr) Species	S	Va	alue		Source
						7
		or other aquatic plant				4
						4
		 cea			J. –	1
	2.2.2.300					1
	Algae o	., Saloi aqualio bialil	, .			1
	1344h 72h 96h 672h	72h Algae o 96h Fish 672h Crustao	72h Algae or other aquatic plant 96h Fish 672h Crustacea	72h Algae or other aquatic plants 0.0 96h Fish 0.0 672h Crustacea 0.0 96h Algae or other aquatic plants 0.0	72h Algae or other aquatic plants 0.056mg/l 96h Fish 0.098-0.187mg 672h Crustacea 0.004mg/L 96h Algae or other aquatic plants 0.027mg/l	72h Algae or other aquatic plants 0.056mg/l 96h Fish 0.098-0.187mg/L 672h Crustacea 0.004mg/L

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

On the basis of available evidence concerning either toxicity, persistence, potential to accumulate and or observed environmental fate and behaviour, the material may present a danger, immediate or long-term and /or delayed, to the structure and/ or functioning of natural ecosystems.

Very toxic to aquatic organisms.

Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters.

Surfactants are in general toxic to aquatic organisms due to their surface-active properties. Historically, synthetic surfactants were often composed of branched alkyl chains resulting in poor biodegradability which led to concerns about their environmental effects.

For Surfactants: Kow cannot be easily determined due to hydrophilic/hydrophobic properties of the molecules in surfactants. BCF value: 1-350.

For Alkylphenols and their Ethoxylates, or Propoxylates (APE):

Version No: 2.1 Page 20 of 26 Issue Date: 06/03/2024
Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

Environmental fate: Alkylphenols are found everywhere in the environmental, when released. Releases are generally as wastes; they are extensively used throughout industry and in the home.

For benzyl alcohol: log Kow: 1.1Koc: <5Henry's atm m3 /mol: 3.91E-07BOD 5: 1.55-1.6,33-62%COD: 96%ThOD: 2.519BCF: 4

Bioaccumulation: Not significant

Anaerobic Effects: Significant degradation.

Effects on algae and plankton: Inhibits degradation of glucose

Degradation Biological: Significant processes

Abiotic: RxnOH*,no photochem

Ecotoxicity: Fish LC50 (48 h): fathead minnow 770 mg/l; (72 h): 480 mg/l; (96 h) 460 mg/l.

Prevent, by any means available, spillage from entering drains or water courses.

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
benzyl alcohol	LOW	LOW
triethylenetetramine	LOW	LOW
salicylic acid	LOW	LOW
m-xylenediamine	HIGH	HIGH
p-tert-butylphenol	HIGH	HIGH
trimethylhexamethylene diamine	HIGH	HIGH
nonylphenol	HIGH	HIGH
nonylphenol	HIGH	HIGH

Bioaccumulative potential

Ingredient	Bioaccumulation
benzyl alcohol	LOW (LogKOW = 1.1)
triethylenetetramine	LOW (BCF = 5)
salicylic acid	MEDIUM (BCF = 1000)
m-xylenediamine	LOW (BCF = 2.7)
p-tert-butylphenol	LOW (BCF = 240)
trimethylhexamethylene diamine	LOW (LogKOW = 1.6347)
nonylphenol	LOW (BCF = 271)
nonylphenol	LOW (BCF = 271)

Mobility in soil

Ingredient	Mobility
benzyl alcohol	LOW (Log KOC = 15.66)
triethylenetetramine	LOW (Log KOC = 309.9)
salicylic acid	LOW (Log KOC = 23.96)
m-xylenediamine	LOW (Log KOC = 914.6)
p-tert-butylphenol	LOW (Log KOC = 1912)
trimethylhexamethylene diamine	LOW (Log KOC = 1101)
nonylphenol	LOW (Log KOC = 56010)
nonylphenol	LOW (Log KOC = 56010)

 Version No: 2.1
 Page 21 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

SECTION 13 Disposal considerations

Waste treatment methods

Product / Packaging

- ▶ Containers may still present a chemical hazard/ danger when empty.
- Return to supplier for reuse/ recycling if possible.

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area.

- DO NOT allow wash water from cleaning or process equipment to enter drains.
- It may be necessary to collect all wash water for treatment before disposal.
- Recycle wherever possible.
- Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.

SECTION 14 Transport information

disposal

Labels Required



Marine Pollutant



Shipping container, transport vehicle placarding, and labeling may vary from the below information. This depends on the quantity shipped, the applicability of excepted quantity requirements, limited quantity requirements, and/or special provisions according to US DOT, IATA and IMDG regulations. In case of reshipment, it is the responsibility of the shipper to determine the appropriate labels and markings in accordance with applicable transport regulations.

Land transport (DOT)

14.1. UN number or ID number	2735	
14.2. UN proper shipping name	Amines, liquid, corros	ive, n.o.s. (contains m-xylenediamine and trimethylhexamethylene diamine)
14.3. Transport hazard class(es)	Class Subsidiary Hazard	8 Not Applicable
14.4. Packing group	III	
14.5. Environmental hazard	Environmentally haza	rdous
14.6. Special precautions for user	Hazard Label Special provisions	8 IB3, T7, TP1, TP28

Air transport (ICAO-IATA / DGR)

14.1. UN number	2735	
14.2. UN proper shipping name	Amines, liquid, corrosive, n.o.s. * (contains m-xylenediamine and trimethylhexamethylene diamine)
	ICAO/IATA Class	8
14.3. Transport hazard class(es)	ICAO / IATA Subsidiary Hazard	Not Applicable
olass(cs)	ERG Code	8L

 Version No: 2.1
 Page 22 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

14.4. Packing group	III	
14.5. Environmental hazard	Environmentally hazardous	
	Special provisions	A3 A803
	Cargo Only Packing Instructions	856
14.6. Special	Cargo Only Maximum Qty / Pack	60 L
precautions for	Passenger and Cargo Packing Instructions	852
user	Passenger and Cargo Maximum Qty / Pack	5 L
	Passenger and Cargo Limited Quantity Packing Instructions	Y841
	Passenger and Cargo Limited Maximum Qty / Pack	1 L

Sea transport (IMDG-Code / GGVSee)

14.1. UN number	2735		
14.2. UN proper shipping name	AMINES, LIQUID, CORROSIVE, N.O.S. (contains m-xylenediamine and trimethylhexamethylene diamine)		
14.3. Transport hazard	IMDG Class		8
class(es)	IMDG Subsidiary Ha	azard	Not Applicable
14.4. Packing group	Ш		
14.5 Environmental hazard	Marine Pollutant		
14.6. Special precautions for user	EMS Number	F-A,	S-B
	Special provisions	223	274
	Limited Quantities	5 L	

14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
polyamide resin	Not Available
benzyl alcohol	Not Available
triethylenetetramine	Not Available
salicylic acid	Not Available
m-xylenediamine	Not Available
p-tert-butylphenol	Not Available
trimethylhexamethylene diamine	Not Available
nonylphenol	Not Available
nonylphenol	Not Available

14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
polyamide resin	Not Available
benzyl alcohol	Not Available
triethylenetetramine	Not Available
salicylic acid	Not Available

Version No: 2.1 Page 23 of 26 Issue Date: 06/03/2024
Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

Product name	Ship Type
m-xylenediamine	Not Available
p-tert-butylphenol	Not Available
trimethylhexamethylene diamine	Not Available
nonylphenol	Not Available
nonylphenol	Not Available

SECTION 15 Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

polyamide resin is found on the following regulatory lists

Not Applicable

benzyl alcohol is found on the following regulatory lists

US - Massachusetts - Right To Know Listed Chemicals

US AIHA Workplace Environmental Exposure Levels (WEELs)

US DOE Temporary Emergency Exposure Limits (TEELs)

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US Toxicology Excellence for Risk Assessment (TERA) Workplace Environmental Exposure Levels (WEEL)

triethylenetetramine is found on the following regulatory lists

US - Massachusetts - Right To Know Listed Chemicals

US AIHA Workplace Environmental Exposure Levels (WEELs)

US DOE Temporary Emergency Exposure Limits (TEELs)

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US Toxicology Excellence for Risk Assessment (TERA) Workplace Environmental Exposure Levels (WEEL)

salicylic acid is found on the following regulatory lists

FEI Equine Prohibited Substances List - Controlled Medication

FEI Equine Prohibited Substances List (EPSL)

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

m-xylenediamine is found on the following regulatory lists

US - Massachusetts - Right To Know Listed Chemicals

US NIOSH Recommended Exposure Limits (RELs)

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

p-tert-butylphenol is found on the following regulatory lists

International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

US - Alaska Air Quality Control - Concentrations Triggering an Air Quality Episode for Air Pollutants Other Than PM-2.5

US DOE Temporary Emergency Exposure Limits (TEELs)

US NIOSH Recommended Exposure Limits (RELs)

US OSHA Permissible Exposure Limits (PELs) Table Z-1

US OSHA Permissible Exposure Limits (PELs) Table Z-3

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

trimethylhexamethylene diamine is found on the following regulatory lists

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

nonylphenol is found on the following regulatory lists

Chemical Footprint Project - Chemicals of High Concern List

US DOE Temporary Emergency Exposure Limits (TEELs)

US EPCRA Section 313 Chemical List

 Version No: 2.1
 Page 24 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Section 12(b) - List of Chemical Substances Subject to Export Notification Requirements

US TSCA Section 4/12 (b) - Sunset Dates/Status

nonylphenol is found on the following regulatory lists

Chemical Footprint Project - Chemicals of High Concern List

US - Massachusetts - Right To Know Listed Chemicals

US DOE Temporary Emergency Exposure Limits (TEELs)

US EPCRA Section 313 Chemical List

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Section 12(b) - List of Chemical Substances Subject to Export Notification Requirements

US TSCA Section 4/12 (b) - Sunset Dates/Status

Additional Regulatory Information

Not Applicable

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 hazard categories

Flammable (Gases, Aerosols, Liquids, or Solids)	
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	Yes
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	Yes
Reproductive toxicity	Yes
Skin Corrosion or Irritation	Yes
Respiratory or Skin Sensitization	Yes
Serious eye damage or eye irritation	Yes
Specific target organ toxicity (single or repeated exposure)	Yes
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)

None Reported

US. EPCRA Section 313 Toxic Release Inventory (TRI) (40 CFR 372)

This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know-Act of 1986 (40 CFR 372):

 Version No: 2.1
 Page 25 of 26
 Issue Date: 06/03/2024

 Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

CAS No	%[weight]	Name
84852-15-3*	0.5-1.5	nonylphenol
25154-52-3	7-13	nonylphenol

This information must be included in all SDSs that are copied and distributed for this material.

Additional Federal Regulatory Information

Not Applicable

State Regulations

US. California Proposition 65

None Reported

Additional State Regulatory Information

Not Applicable

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (benzyl alcohol; triethylenetetramine; salicylic acid; m-xylenediamine; p-tert-butylphenol; trimethylhexamethylene diamine)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - FBEPH	Yes
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

SECTION 16 Other information

Revision Date	06/03/2024
Initial Date	05/27/2018

CONTACT POINT

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

^{**}PLEASE NOTE THAT TITANIUM DIOXIDE IS NOT PRESENT IN CLEAR OR NEUTRAL BASES**

Version No: 2.1 Page 26 of 26 Issue Date: 06/03/2024
Print Date: 06/04/2024

CHEM-ROCK PRIMER 'B'

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

Definitions and abbreviations

- ▶ PC TWA: Permissible Concentration-Time Weighted Average
- ▶ PC STEL: Permissible Concentration-Short Term Exposure Limit
- ▶ IARC: International Agency for Research on Cancer
- ▶ ACGIH: American Conference of Governmental Industrial Hygienists
- ▶ STEL: Short Term Exposure Limit
- ▶ TEEL: Temporary Emergency Exposure Limit。
- ▶ IDLH: Immediately Dangerous to Life or Health Concentrations
- ▶ ES: Exposure Standard
- ▶ OSF: Odour Safety Factor
- NOAEL: No Observed Adverse Effect Level
- LOAEL: Lowest Observed Adverse Effect Level
- ▶ TLV: Threshold Limit Value
- ▶ LOD: Limit Of Detection
- ▶ OTV: Odour Threshold Value
- ▶ BCF: BioConcentration Factors
- ▶ BEI: Biological Exposure Index
- ▶ DNEL: Derived No-Effect Level
- ▶ PNEC: Predicted no-effect concentration
- AIIC: Australian Inventory of Industrial Chemicals
- ▶ DSL: Domestic Substances List
- ▶ NDSL: Non-Domestic Substances List
- ▶ IECSC: Inventory of Existing Chemical Substance in China
- EINECS: European INventory of Existing Commercial chemical Substances
- ► ELINCS: European List of Notified Chemical Substances
- ► NLP: No-Longer Polymers
- ▶ ENCS: Existing and New Chemical Substances Inventory
- ▶ KECI: Korea Existing Chemicals Inventory
- NZIoC: New Zealand Inventory of Chemicals
- ▶ PICCS: Philippine Inventory of Chemicals and Chemical Substances
- ▶ TSCA: Toxic Substances Control Act
- TCSI: Taiwan Chemical Substance Inventory
- ▸ INSQ: Inventario Nacional de Sustancias Químicas
- NCI: National Chemical Inventory
- ▶ FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

Powered by AuthorITe, from Chemwatch.