



SAFETY DATA SHEET

Revision Date 08/20/2021

REVISION NUMBER: 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name Purifect (Ready to use spray)

Other means of identification

Synonyms NONE

Recommended use of the chemical and restrictions on use

Food Contact Hard Surface Cleaner /Sanitizer and Fruit/Vegetable Wash

Uses advised against No information available

Details of the supplier of the safety data sheet

Manufacturer Address

Manufacturing Address

Superior Manufacturing
4520 Glenmeade Lane
Auburn Hills, MI 48326 USA

Emergency telephone number

EMERGENCY TELEPHONE

INFOTRAC: 1-800-535-5053.

2. HAZARDS IDENTIFICATION

Hazard pictograms :



Signal Word : No Signal Word

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin irritation	Category 4
Eye irritation	Category 3

Label elements

EMERGENCY OVERVIEW

Hazard Statements

Can cause skin irritation Causes eye irritation

Physical State: Watery

Odor: Odorless

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Consult physician if irritation persists.

IF ON SKIN: Wash with plenty of soap and water

If skin irritation persists: Take off contaminated clothing and wash before reuse

Hazards not otherwise classified (HNOC)

No information available

Other Information**3. COMPOSITION/INFORMATION ON INGREDIENTS**

PRODUCT COMPOSITION	CAS No.	%	TRADE SECRET
Citric acid	77-92-9	0.66	
Sodium dodecylbenzene sulfonate	25155-30-0	0.036	
Inert Ingredients			*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First aid measures****General advice**

Consult a doctor/physician.

IF IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician if irritation persists.

IF ON SKIN:

Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.

Inhalation

IF INHALED: Remove to fresh air.

Ingestion

IF SWALLOWED: Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed**Symptoms** No information available.**Indication of any immediate medical attention and special treatment needed****Note to physicians** Treat symptomatically.**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**Dry chemical, CO₂, water spray or alcohol-resistant foam.**Unsuitable extinguishing media** None, watery solution**Specific hazards arising from the chemical**

No information available.

Hazardous combustion products: Carbon oxides.**Explosion data**

Sensitivity to Mechanical Impact NONE.

Sensitivity to Static Discharge NONE.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions**

See Section 8. Exposure Controls/Personal Protection. Avoid breathing vapors or mists. Ventilate affected area. Evacuate personnel to safe areas.

Environmental precautions**Environmental precautions**

See Section 12 for additional ecological information.

Methods and material for containment and cleaning up**Methods for containment**

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Wash down the drain. Be aware of potential for surfaces to become slippery.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid creating mists or aerosols. Use personal protection recommended in Section 8. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a cool, dry area. Keep container closed when not in use.
Incompatible materials Strong oxidizing agents. Hypochlorites (bleach.). Strong alkalis. Halogens. Carbonates.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines.

PRODUCT COMPOSITION	ACGIH TLV	OSHA PEL	NIOSH IDLH
Citric Acid , 77-92-9	None listed	none listed	none listed
Sodium dodecylbenzene sulfonate, 25155-30-0	None listed	None listed	None listed

Appropriate engineering controls

ENGINEERING CONTROLS Eyewash stations.

Individual protection measures, such as personal protective equipment

Eye/face protection Goggles are recommended to minimize eye contact.

Skin and body protection Appropriate clothes to minimize skin contact.

RESPIRATORY PROTECTION Appropriate procedure to minimize exposure to mists

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
Physical state	Liquid Watery		
Appearance Color	Colorless	Odor	Mild Odor
pH	2.4-2.8		
Melting point/freezing point	0 °C / 32 °F		
Boiling point / boiling range	100 °C / 212 °F		
Flash point	No information available		
Evaporation rate	1		
Flammability (solid, gas)	No information available		
Flammability Limit in Air	Not Inflammable		
Vapor density	< 1		
Specific gravity	1.00		
Water solubility	Miscible in water		
Solubility in other solvents	No information available		
Partition coefficient	No information available		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		
Explosive properties	No information available		
Oxidizing properties	No information available		
<u>Other Information</u>			
Softening point	No information available		
VOC (EPA METH.24) (G/L):	< 10		
Density Bulk	No information available		
density	No information available		

10. STABILITY AND REACTIVITY

REACTIVITY

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

CONDITIONS TO AVOID

Extremes of temperature and direct sunlight.

Incompatible materials

Strong oxidizing agents. Hypochlorites (bleach.). Strong alkalis. Halogens. Carbonates.

Hazardous Decomposition Products

Incomplete combustion produces: Oxides of Carbon. Oxides of Sulfur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye contact	Causes eye irritation
Inhalation	No data available.
Skin contact	Can cause skin irritation.
Ingestion	No data available.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive Toxicity	No information available.
STOT - single exposure	None Known
repeated exposure	None Known.
Aspiration hazard	None Known.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral)	11934 mg/kg
ATEmix (dermal)	21294 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.

14. TRANSPORT INFORMATION

DEPT. OF TRANSPORTATION

1903

The material is not DOT controlled material. (US) Not TDG Controlled material. The preparation is not known to be dangerous

UN/ID No.	1903
Proper shipping name	dilute LIQUID, ACIDIC, ORGANIC, N.O.S.
Hazard Class	8
Packing Group	III
Marine Pollutant:	Not listed.

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Does not Comply
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals at concentrations which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

ACUTE HEALTH HAZARD	None known
CHRONIC HEALTH HAZARD	None known
FIRE HAZARD	No
Sudden release of pressure hazard	No
REACTIVE HAZARD	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, contains no substances at concentrations regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

PRODUCT COMPOSITION

Deionized water CAS# 7732-18-5, Citric acid CAS# 77-92-9

U.S. EPA Label Information

EPA Pesticide Registration Number 74091-2

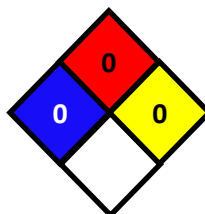
16. OTHER INFORMATION

NFPA

Health hazards 0

Flammability 0

Instability 0



Physical and Chemical Properties -

HMIS

Health hazards 0

Flammability 0

Physical hazards 0

Personal protection X

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

Revision Date 04/02/2020

Revision Note

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

*** END OF SDS ***