

DeFoamer™ HS

SAFETY DATA SHEET

Preparation Date: 22-Apr-2009

Revision Date: 02-Sep-2021

Revision Number: 3

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

Product Identifier

Product Name DeFoamer™ HS

Other means of identification

Item#: 1794

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Concentrated defoaming additive for high alkalinity detergents

Uses advised against All other

Details of the supplier of the safety data sheet

Supplier DeLaval Cleaning Solutions
11100 N. Congress Ave.
Kansas City, MO 64153 : 816-891-7700, 8am – 5pm M-F

Emergency Telephone Number

Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Emergency Overview

Appearance Opaque White **Physical state** Liquid **Odor** Mild Organic

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Hydrophobic silica	67762-90-7	5 - 10
White mineral oil	8042-47-5	30 - 60

The product contains no substances which at their given concentration, are considered to be hazardous to health.

4. FIRST AID MEASURES

Description of first-aid measures

Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
Skin contact	Wash off immediately with soap and plenty of water.
Inhalation	Move to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂), Dry chemical, Water.

Unsuitable Extinguishing Media

No information available.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous Combustion Products

Carbon monoxide, Carbon dioxide (CO₂), Smoke, fumes, Hydrocarbons

Sensitivity to static discharge Not sensitive.

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.

NFPA

Health hazards 1

Flammability 1

Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid exceeding of the given occupational exposure limits (see section 8). Evacuate personnel to safe areas. Remove all sources of ignition. Keep people away from and upwind of spill/leak.

Environmental Precautions

Avoid release to the environment.

Methods and material for containment and cleaning up

Local authorities should be advised if significant spillages cannot be contained. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep cool and protect from sunlight. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible Materials strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrophobic silica 67762-90-7	TWA: 10 mg/m ³	TWA: 6 mg/m ³	-
White mineral oil 8042-47-5	TWA: 5 mg/m ³ , oil mist STEL: 10 mg/m ³ , oil mist	5 mg/m ³ , oil mist	-

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety glasses with side-shields.

Skin and body protection Long sleeved clothing. Wear protective nitrile rubber gloves.

Respiratory Protection In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild Organic
Appearance	Opaque White	Odor Threshold	No information available
Property	Values	Remarks/ Method	
pH	No information available		
Melting point/freezing point	No information available		
Boiling Point/Range	100 °C		
Flash Point	191 °C	Open cup	
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit	No information available		
Lower flammability limit	No information available		
Vapor Pressure	No information available		
Vapor Density	No information available		
Specific Gravity	0.9-1.0		
Water Solubility	emulsifiable		

Partition coefficient: n-octanol/water	No information available
Autoignition Temperature	No information available
Decomposition temperature	No information available
Viscosity of Product	No information available
Dynamic viscosity	No information available

Other information

Liquid Density	No information available
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10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerisation does not occur.

Conditions to Avoid

Heat, flames and sparks.

Incompatible Materials

strong oxidizing agents

Hazardous decomposition products

Carbon monoxide, Carbon dioxide (CO₂), fumes, Sulphur oxides, nitrogen oxides (NO_x), Hydrocarbons.

11. TOXICOLOGICAL INFORMATION

<u>Principal Routes of Exposure</u>	Eye contact, Skin contact, Ingestion
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Information on likely routes of exposure

Eyes	Contact with eyes may cause irritation. Avoid contact with eyes.
Skin	May be harmful in contact with skin. Avoid contact with skin.
Ingestion	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.

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

Sensitization	Product is not identified as a sensitizer according to OSHA regulations.
Mutagenic effects	Product is not identified as a mutagen according to OSHA regulations.
Carcinogenicity	Product is not identified as a carcinogen according to OSHA regulations.

Reproductive Effects	Product is not identified as having reproductive effects according to OSHA regulations.
STOT - single exposure	Product is not identified as having single target organ toxicity (single exposure) according to OSHA regulations.
STOT - repeated exposure	Product is not identified as having single target organ toxicity (repeated exposure) according to OSHA regulations.
Aspiration Hazard	Product is not identified as an aspiration hazard according to OSHA regulations.

Numerical measures of toxicity

If available, toxicity values of individual components are shown below.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
White mineral oil 8042-47-5	> 5000 mg/kg (Rat)	No data available	No data available

17.8% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
White mineral oil 8042-47-5	No data available	10000: 96 h Lepomis macrochirus mg/L LC50	No data available	No data available

Persistence and degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Not regulated

15. REGULATORY INFORMATION

California Proposition 65

WARNING: This product can expose you to chemicals including Formaldehyde, which is known to the State of California to cause cancer, and Methyl alcohol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

State Regulations

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. OTHER INFORMATION

Preparation Date: 22-Apr-2009

Revision Date: 02-Sep-2021

Revision Note: None

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