

Anionic Surfactant Additive

SAFETY DATA SHEET

Preparation Date: 25-Jul-2008

Revision Date: 27-Jun-2017

Revision Number: 3

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

Product Identifier

Product Name Anionic Surfactant Additive

Other means of identification

Item#: 1925

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Surfactant

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
Tel: 816-891-7700, 8am – 5pm M-F

Emergency Telephone Number

Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 1

Label Elements

Emergency Overview

DANGER

Hazard Statements

Causes skin irritation

Causes serious eye damage



Appearance Clear

Physical state Liquid

Odor Mild, Soapy

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Specific treatment (see First Aid on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Precautionary Statements - Storage

Store away from incompatible materials.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local regulation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight %
Benzenesulfonic acid, C10-16-alkyl derivatives, sodium salts	68081-81-2	30 - 40
Sodium xylene sulfonate	1300-72-7	5 - 10
Sodium sulfate	7757-82-6	1 - 3

If a concentration range is shown, the exact concentration has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first-aid measures

Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately.
Skin contact	Wash off immediately with plenty of water. Get medical attention if irritation develops and persists. Remove and wash contaminated clothing before re-use.
Inhalation	Move to fresh air. Get medical attention if symptoms occur.
Ingestion	Rinse mouth. Get medical attention immediately if symptoms occur.

Most important symptoms and effects, both acute and delayed

Severe eye irritation. Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. Corrosive to the eyes and may cause severe damage including blindness. May cause skin irritation.

Indication of any immediate medical attention and special treatment needed

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Not applicable, Non-combustible.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

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.

NFPA **Health hazards** 3 **Flammability** 1 **Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with the skin and the eyes. Ensure adequate ventilation. Material can create slippery conditions. For personal protection see section 8.

Environmental Precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Miscible with water. 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). Prevent product from entering drains. After cleaning, flush away traces with water. Never return spills in original containers for re-use.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Ensure adequate ventilation. Wear personal protective equipment. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures above 7°C / 45°F. Store away from incompatible materials.

Incompatible Materials strong oxidizing agents, strong acids, strong bases

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

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

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Goggles.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory Protection In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild, Soapy
Appearance	Clear	Odor Threshold	No information available
Property	Values	Remarks/ Method	
pH	7 - 8		
Melting point/freezing point	No information available		
Boiling Point/Range	> 100 °C / > 212 °F		
Flash Point	No information available		
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	1.08		
Water Solubility	soluble		
Partition coefficient: n-octanol/water	No information available		
Autoignition Temperature	No information available		
Decomposition temperature	No information available		
Viscosity of Product	300 1300 cP @ 25 deg C		

Other information

Density 9.00 lb/gal

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

None known.

Conditions to Avoid

Incompatible Materials. Extremes of temperature and direct sunlight.

Incompatible Materials

strong oxidizing agents, strong acids, strong bases

Hazardous decomposition products

None known.

11. TOXICOLOGICAL INFORMATION

Principal Routes of Exposure Eye contact, Skin contact, Ingestion, Inhalation

Information on likely routes of exposure

Eyes Causes serious eye damage.
Skin Irritating to skin.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation None known.

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
Benzenesulfonic acid, C10-16-alkyl derivatives, sodium salts 68081-81-2	438 mg/kg (rat)	No data available	No data available
Sodium xylene sulfonate 1300-72-7	= 1000 mg/kg (Rat)	No data available	No data available
Sodium sulfate 7757-82-6	> 10000 mg/kg (Rat)	No data available	No data available

42% 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
Sodium sulfate 7757-82-6	No data available	13500 - 14500: 96 h Pimephales promelas mg/L LC50 6800: 96 h Pimephales promelas mg/L LC50 static 3040 - 4380: 96 h Lepomis macrochirus mg/L LC50 static 13500: 96 h Lepomis macrochirus mg/L LC50	No data available	2564: 48 h Daphnia magna mg/L EC50 630: 96 h Daphnia magna mg/L EC50

Persistence and degradability

Readily biodegradable.

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.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium sulfate 7757-82-6	Not Listed	X	X

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. OTHER INFORMATION

Preparation Date: 25-Jul-2008
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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