

NIDL Surfactants Pvt. Ltd.

Corp. office: CP 101&104 , Block - 1 , DLF Corporate Park , Gurgaon , Haryana - 122002
India Tel: +91-124-4564700 E-mail:newindia@nidl.in

Material safety data sheet (MSDS)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name	:	AOS Liquid	
Manufacture's Name Address	:	NIDL Surfactants Pvt. Ltd. Corp. office: CP 101&104 , Block - 1 , DLF Corporate Park , Gurgaon , Haryana - 122002	
Telephone	:	+911244564700	
Fax	:	N/a	

2. COMPOSITION / INGREDIENTS (Ref : 1)

Average Molecular Weight	:	324	
Chemical Identity	:	CAS No.	Weight Range
Water		7732-18-5	58%
Sodium (C 14) Olefin sulfonate		68439-57-6	40%
Sodium sulfate		7757-82-6	2%

3. HAZARD IDENTIFICATION (Ref : 1)

Health Rating	:	Slight
Flammability Rating	:	Slight
Reactivity Rating	:	Slight
Contact Rating	:	Slight
Storage	:	General

4. FIRST AID MEASURES (Ref : 1)

Eye	:	Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.
Skin	:	For skin contact flush with large amount of water. If irritation persists, get medical attention. Immediately take off all contaminated clothing. and wash contaminated clothing before reuse.
Inhalation	:	If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected

	:	person is not breathing ,apply artificial respiration.If breathing is difficult,give oxygen.
Ingestion	:	If the material is swallowed, get immediate medical attention.
<i>*In all of the above cases, get a doctor to check the affected person.</i>		
5. FIRE HAZARD AND FIRE-FIGHTING MEASURES (Ref : 1)		
Flash point	:	(> 93.9° C) >201° F
Means of extinction	:	Use water spray, Carbon Dioxide, Dry Chemical, or Alcohol Foam. Use Water to keep fire-exposed container cool.
Flammability	:	Non-Flammable in solution.
Personnel	:	Firefighters should wear full protective clothing,including self contained breathing equipment.
Hazardous combustion product	:	None
6. ACCIDENTAL RELEASE (Ref : 1)		
Engineering Controls	:	Ventilation of work sapce.
Leak-And-Spill Procedures	:	Ventilate area, sweep up,use protective clothing,store in closed container .store in closed container. Surface will be slippery after spillage.
7. HANDLING AND STORAGE MEASURES (Ref : 1)		
Handling Containers	:	Use full protective gear. Protect containers against physical damage / direct sunlight / water.
Storage Conditions of Containers	:	Use leak-proof Drums. Store in dry locations, at ambient temperature away from direct sunligh
8. PERSONAL PROTECTION MEASURES (Ref : 1)		
Skin	:	Rubber Gloves
Respiration	:	Air respirator
Eyes	:	Goggles
Feet	:	Safety Shoes
Body	:	Lab Coat
Hygiene precautions	:	Remove contaminated clothing and wash hands between breaks and at the end of duty hours.
9. PHYSICAL AND CHEMICAL PROPERTIES (Ref : 1)		
Physical state	:	Aqueous Solution
Moisture & Volatiles %	:	58

Specific gravity	:	1.069 gm /cc
Boiling point	:	> 100° C at 760 mm
Pour point	:	25° F
Evaporation Rate	:	Estimated slower than Ethyl Ether
Vapour Density (Air = 1)	:	Estimated lighter than Air
Solubility in water (20 C)	:	Soluble
10. REACTIVITY DATA (Ref : 1)		
Chemical Stability	:	Product is stable under the prescribed storage conditions.
Incompatibility with other Substances	:	Slight reaction with oxidising substances
Reactivity and under what conditions	:	None
Hazardous Decomposition	:	None
11. TOXICOLOGICAL PROPERTIES (Ref : 1)		
Toxicity	:	Non toxic
Skin contact	:	Slight
Inhalation acute	:	None
Skin absorption	:	None
Inhalation Chronic	:	None
Eye contact	:	Slight
Ingestion	:	mouse LD ₅₀ > 5.989 gm/kg
Effect of Acute and Chronic Exposure to Material	:	The extensive use of Sodium Alpha Olefin Sulphonate in industry has not been accompanied by any reports of injury.
Irritancy of material	:	Slight
Carcinogenicity, Reproductive Effects, Terratogenicity, Mutagenicity	:	None reported
12. ECOLOGICAL INFORMATION (Ref : 1)		
The product should not get into water without treatment. Dissolved in water, the material is easily biodegradeable (90 %) and will not cause any disturbance in waste water treatment plants.		
13. WASTE DISPOSAL (Ref : 1)		
Leak-and-spill procedures	:	Being a liquid it can be collectd, swept up and stored in a closed containers.
Disposal	:	This material is not hazardous material can be washed off with water jet.
14. TRANSPORT RECOMMENDATION (Ref : 1)		

No special conditions as it is not a regulated product. However, one should observe the usual precautionary measures for transporting chemicals.

15. REGULATORY REQUIREMENTS (Ref : 1)

According to the data available, the product is not regulated product . However, one should observe prescribed Federal, State and Local measures while dealing with chemicals.

Listed on EINECS (EU), TSCA (USA), DSL (Canada), AICS (Australia) and MITI (Japan),Korea & Phillipines.

EINECS No: 270-407-8 JSCI /JCIC :41- 500279

Not listed as a Carcinogen by NTP, IARC or OSHA.

16. OTHER INFORMATION

Sources of information:

1. Stepan Company-Illinois, USA -MSDS of Bio-Terge AS-40 (Sodium C14Olefin Sulphonate (40 % solution)

DISCLIMER

The information presented here pertains only to the product when stored in a sealed condition, as prescribed above.The information is given in good faith, but no warranty, express or implied,is made.