Infosafe No™ 1CHHR Issue Date :November 2020 RE-ISSUED by CHEMSUPP

Product Name **SODIUM LAURYL SULFATE**

Classified as hazardous

1. Identification

GHS Product Identifier SODIUM LAURYL SULFATE

Company Name CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)

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Recommended use of the chemical and restrictions on use Wetting agent in textile industry, detergent in toothpaste, surface-active agent in shampoo, dispersing agent in creams, lotions and medical preparations, food additive (thickener and emulsifier), electrophoretic separation of proteins and lipids and laboratory reagent.

Other Names

Name	Product Code
Sodium dodecyl sulfate, Dodecyl sodium sulfate, SDS	
SODIUM LAURYL SULFATE LR	SL078

Other Information

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture
Acute Toxicity - Dermal: Category 3
Eye Damage/Irritation: Category 1
Flammable Solids: Category 3
Acute Toxicity - Oral: Category 4
Skin Corrosion/Irritation: Category 2
Specific Target Organ Toxicity - Single Exposure Category 3

Signal Word (s) DANGER

Hazard Statement (s)
H228 Flammable solid.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Pictogram (s) Flame, Corrosion, Skull and crossbones

Precautionary statement – Prevention
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting//equipment.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

	P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement – Response	P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P361 Remove/ Take off immediately all contaminated clothing. P363 Wash contaminated clothing before reuse. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician. P370+P378 In case of fire: Use foam, dry chemical, CO2 or water spray for extinction.
Precautionary statement – Storage	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.
Precautionary statement – Disposal	P501 Dispose of contents/ container to an approved waste disposal plant.

3. Composition/information on ingredients

Ingredients	**Name**	**CAS**	**Proportion**
	Sodium lauryl sulfate	151-21-3	90-100 %
Other Information	May contain small amounts of similar sodium alkyl sulfates.		

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
Ingestion	Rinse mouth thoroughly with water immediately. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.
Skin	Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. If persistent irritation occurs, obtain medical attention.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Obtain medical attention immediately.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
Other Information	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor at once.

5. Fire-fighting measures

Hazards from Combustion Products	Hydrogen sulfide and oxides of carbon and sulfur.
Specific Methods	Small fire: Use foam, dry chemical, CO2 or water spray. Large fire: Use water spray, fog or foam. If safe to do so, move undamaged containers from the area. Cool containers with flooding quantities of water until well after the fire is out.
Hazchem Code	1X
Precautions in connection with Fire	Wear SCBA and chemical splash suit. Structural firefighter's uniform may provide limited protection.

6. Accidental release measures

Personal Precautions	Evacuate the area of all non-essential personnel. Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)
Clean-up Methods - Small Spillages	Sweep up (avoid generating dust) and using clean non-sparking tools transfer to a clean, suitable, clearly labelled container for disposal in accordance with local regulations.
Clean-up Methods - Large Spillages	ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 15m. Do not touch or walk through spilled material. Prevent entry into waterways, drains or confined areas. Prevent dust cloud. Use clean non-sparkling tools to collect absorbed material and place it into loosely-covered metal or plastic containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
Environmental Precautions	Prevent contamination of soil and water.

7. Handling and storage

Precautions for Safe Handling	Avoid substance contact and generation and inhalation of dust. Wash hands and face thoroughly after working with material. Use non-sparking tools.
Conditions for safe storage, including any incompatibilities	Store in well ventilated area. Store away from oxidizing agents. Keep containers securely sealed and protected against physical damage. Keep dry and protect from direct sunlight. Store at room temperature (15 - 25 °C).
Storage Regulations	Refer Australian Standard AS/NZS 5026-2012 'The storage and handling of Class 4 dangerous goods'. Refer Australian Standard AS/NZS 4452:1997 'The storage and handling of toxic substances'.

8. Exposure controls/personal protection

Other Exposure Information	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m3. All atmospheric contamination should be kept to as low a level as is workable. These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product.
Appropriate engineering controls	Maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
Eye Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Hand Protection	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous

	waste.
Personal Protective Equipment	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
Body Protection	Flame retardant antistatic protective clothing. Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Form	Solid
Appearance	White or light yellow crystals or powder.
Odour	Almost odourless.
Melting Point	204 - 207 °C
Solubility in Water	Soluble in water (150g/L @ 20 °C), forming an opalescent solution.
Solubility in Organic Solvents	Soluble in isopropyl alcohol and xylene.
Specific Gravity	0.37
pH	6-9 (10 g/l, H2O)
Partition Coefficient: n-octanol/water	Log P(o/w) = 1.60 (experimental)
Flash Point	>150 °C (O.C.)
Flammability	Combustible.
Molecular Weight	288.38
Other Information	Dynamic Viscosity: 0.5-8.0 Pa.s @ 25 °C (liquid); 25-50 Pa.s @ 25 °C (paste)

10. Stability and reactivity

Chemical Stability	Stable. Hygroscopic.
Conditions to Avoid	Heating, flames, and sparks. Extremes of temperature and direct sunlight.
Incompatible Materials	Strong acids, strong alkali and strong oxidising agents.
Hazardous Decomposition Products	May liberate toxic fumes in fire including carbon oxides, sulphur oxides and sodium oxides.
Possibility of hazardous reactions	Contact with strong oxidising agents increases risk of fire.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute Toxicity - Oral	LD50 Oral - Rat - female - 977 mg/kg (OECD Test Guideline 401)
Acute Toxicity - Dermal	LD50 Dermal - Rat - male and female - > 2,000 mg/kg (OECD Test Guideline 402)
Ingestion	Harmful if swallowed. May cause respiratory tract and stomach irritation,

	nausea and diarrhoea.
Inhalation	Irritating to the nose, throat and upper respiratory tract. Symptoms include coughing, dry throat, difficulty in breathing, nasal congestion and headaches.
Skin	Irritating to skin. Harmful in contact with skin and if absorbed through skin.
Eye	Causes serious eye damage. May cause burning sensation and severe corrosive injury.
Respiratory sensitisation	Not classified based on available information.
Skin Sensitisation	Not classified based on available information.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive Toxicity	Not classified based on available information.
STOT-single exposure	Category 3 H335 May cause respiratory irritation.
STOT-repeated exposure	Not classified based on available information.
Chronic Effects	Prolonged or repeated skin contact may cause dermatitis.
Serious eye damage/irritation	Eye Damage/Irritation: Category 1 H318 Causese serious eye damage.
Mutagenicity	Not classified based on available information.

12. Ecological information

Ecotoxicity	Toxic for aquatic organisms.
Persistence and degradability	Biodegradation: 95%/28 d (closed bottle test); Readily biodegradable.
Bioaccumulative Potential	No appreciable bioaccumulation potential is to be expected (log P(o/w) 1-3). BOD: 95.9% (OECD Test Guideline 301B) COD: 95.1%
Environmental Protection	Do not allow to enter waters, waste water, or soil!
Acute Toxicity - Fish	flow-through test LC50 - Pimephales promelas (fathead minnow) - 29 mg/l - 96 h (OECD Test Guideline 203)
Acute Toxicity - Daphnia	flow-through test LC50 - Ceriodaphnia dubia (water flea) - 5.55 mg/l - 48 h (OECD Test Guideline 202)

13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

14. Transport information

Transport Information	- Class 4. 1 Flammable solids - Class 4. 2 Spontaneously combustible substances - Class 4. 3 Dangerous when wet substances - Class 5. 2 Organic peroxides - Class 6 Poisonous (toxic) substances (capable of igniting/burning
U.N. Number	1325
UN proper shipping name	FLAMMABLE SOLID, ORGANIC, N.O.S. - (Contains Sodium Lauryl Sulfate)
Transport hazard class(es)	4.1
Hazchem Code	1X
Packing Group	III
EPG Number	4A1

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15. Regulatory information

Regulatory Information All of the significant ingredients in this formulation are compliant with Australian Industrial Chemicals Introduction Scheme (AICIS) regulations. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Poisons Schedule Not Scheduled

16. Other Information

Literature References

'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.
National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'.
Safe Work Australia, 'National Code of Practice fot the Preparation of Safety Data Sheets for Hazardous Chemicals'.
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand.
Safe Work Australia, 'Hazardous Chemical Information System'.
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'.
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.

Contact Person/Point Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT:
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Empirical Formula & Structural Formula NaC12H25SO4

...End Of MSDS...