



SUR-PREP SB642 BULK

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 12/12/2019 Revision date: 2/7/2025 Supersedes: 7/9/2024 Version: 1.3

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : SUR-PREP SB642 BULK

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Washing and cleaning products (including solvent based products)
Restrictions on use : Washing and cleaning products (including solvent based products)

1.4. Supplier's details

Zip-Chem Products
400 Jarvis Drive
Morgan Hill, CA, Santa Clara, 95037
United States
T 408-782-2335 - F 408-782-6304
zipchem@addevmaterials.com - www.zipchem.com

1.5. Emergency phone number

Emergency number : 1-800-424-9300

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 4	H227	Combustible liquid.	On basis of test data
Carcinogenicity Not classified			Expert judgment
Reproductive toxicity, Category 1A	H360	May damage fertility or the unborn child.	Calculation method
Hazardous to the aquatic environment — Acute Hazard, Category 3	H402	Harmful to aquatic life.	Calculation method
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412	Harmful to aquatic life with long lasting effects.	Calculation method

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

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Hazard statements (GHS US)	: H227 - Combustible liquid H360 - May damage fertility or the unborn child H402 - Harmful to aquatic life H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (GHS US)	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection. P308+P313 - If exposed or concerned: Get medical advice/attention. P370+P378 - In case of fire: Use appropriate media to extinguish. P403 - Store in a well-ventilated place. P405 - Store locked up. P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

2.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
2.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
KEROSINE -(PETROLEUM) HYDRODESULFURIZED	CAS-No.: 64742-81-0	10-12	Asp. Tox. 1, H304
NONYLPHENOL, 4-Branched ETHOXYLATED	CAS-No.: 127087-87-0	0-2	Flam. Liq. Not classified Aquatic Chronic 3, H412
COCONUT DIETHANOLAMIDE	CAS-No.: 68603-42-9	1-3	Eye Irrit. 2A, H319 Repr. 1A, H360
2,2'-IMINODIETHANOL	CAS-No.: 111-42-2	0-2	Flam. Liq. Not classified Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Chronic 2, H411

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

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First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after skin contact	: Slight irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Mild eye irritation.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Stop leak if safe to do so.
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For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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Environmental precautions	: Avoid release to the environment.
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6.2. Methods and materials for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

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SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool.
- Storage area : Store in a well-ventilated place.
- Special rules on packaging : Store in a closed container.
- Packaging materials : Keep only in the original container in a cool, well-ventilated place away from combustible materials. Store always product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Kerosine -(PETROLEUM) HYDRODESULFURIZED (64742-81-0)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	200 mg/m ³ (Application restricted to conditions in which there are negligible aerosol exposures)
2,2'-IMINODIETHANOL (111-42-2)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Diethanolamine
ACGIH OEL TWA	1 mg/m ³ (IFV - Inhalable fraction and vapor)
Remark (ACGIH)	TLV® Basis: Liver & kidney dam. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

Materials for protective clothing:
Wear protective clothing
Hand protection:
Protective gloves
Eye protection:
Safety glasses

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Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: Tan
Odor	: Barely perceptible odour
Odor threshold	: No data available
pH	: 7.5 – 8.5
Melting point	: No data available.
Freezing point	: No data available
Boiling point	: 71 °C
Flash point	: 93 °C
Relative evaporation rate (butyl acetate=1)	: Slow
Flammability (solid, gas)	: 1 – 7 % Not applicable.
Vapor pressure	: 0.007 mm Hg
Relative vapor density at 20°C	: 0.007mm Hg
Relative density	: 8.2 lbs/gal (983 grams/liter)
Density	: 1 g/ml
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available
Viscosity, kinematic	: > 150 mm²/s
Explosion limits	: No data available
Oxidizing properties	: Not oxidising.
Particle characteristics	: No data available

KEROSINE -(PETROLEUM) HYDRODESULFURIZED	
Particle characteristics	No data available

NONYLPHENOL, 4-Branched ETHOXYLATED	
Particle characteristics	No data available

2,2'-IMINODIETHANOL	
Particle characteristics	No data available

COCONUT DIETHANOLAMIDE	
Particle characteristics	No data available

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9.2. Data relevant with regard to physical hazard classes (supplemental)

VOC content : 86 g/l (VOC Less Water and Exempt Solvents)

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

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Unknown acute toxicity (GHS US)	2.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 2.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
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NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)

LD50 oral rat	1890 mg/kg body weight (Rat, Male / female, Experimental value, Oral)
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LD50 oral	657 mg/kg body weight (Rabbit, Male / female, Experimental value, Oral)
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2,2'-IMINODIETHANOL (111-42-2)

LD50 oral rat	> 710 mg/kg (Rat, Oral)
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ATE US (oral)	500 mg/kg body weight
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COCONUT DIETHANOLAMIDE (68603-42-9)

LD50 oral rat	> 5000 mg/kg (Rat, Oral)
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LD50 dermal rabbit	> 2000 mg/kg
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Skin corrosion/irritation : Not classified
Causes skin irritation
pH: 7.5 – 8.5

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NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
pH	6.3 (1 %)
2,2'-IMINODIETHANOL (111-42-2)	
pH	11 (10 %)
COCONUT DIETHANOLAMIDE (68603-42-9)	
pH	9 – 11 (10 %)

Serious eye damage/irritation : Not classified
Causes serious eye damage
pH: 7.5 – 8.5

NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
pH	6.3 (1 %)
2,2'-IMINODIETHANOL (111-42-2)	
pH	11 (10 %)
COCONUT DIETHANOLAMIDE (68603-42-9)	
pH	9 – 11 (10 %)

Respiratory or skin sensitization : Not classified
May cause an allergic skin reaction

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified.

2,2'-IMINODIETHANOL (111-42-2)	
IARC group	2B - Possibly carcinogenic to humans
COCONUT DIETHANOLAMIDE (68603-42-9)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : May damage fertility or the unborn child.

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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Viscosity, kinematic	> 150 mm²/s
KEROSENE -(PETROLEUM) HYDRODESULFURIZED (64742-81-0)	
Viscosity, kinematic	No data available
NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
Viscosity, kinematic	No data available
2,2'-IMINODIETHANOL (111-42-2)	
Viscosity, kinematic	359.945 mm²/s
COCONUT DIETHANOLAMIDE (68603-42-9)	
Viscosity, kinematic	No data available

Symptoms/effects after skin contact : Slight irritation. May cause an allergic skin reaction.

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Symptoms/effects after eye contact : Mild eye irritation.
Symptoms/effects after ingestion : May cause irritation to the digestive tract.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
LC50 - Fish [1]	11.6 mg/l (48 h, <i>Oryzias latipes</i> , Static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	14 mg/l (48 h, <i>Daphnia magna</i> , Static renewal, Fresh water, Experimental value)
EC50 96h - Algae [1]	12 mg/l (<i>Selenastrum capricornutum</i> , Static system, Fresh water, Experimental value, Nominal concentration)

2,2'-IMINODIETHANOL (111-42-2)	
LC50 - Fish [1]	1664 mg/l (96 h, <i>Pimephales promelas</i> , Pure substance)
EC50 - Crustacea [1]	55 mg/l (48 h, <i>Daphnia magna</i> , Pure substance)
ErC50 algae	9.5 mg/l (EPA 600/9-78-018, 72 h, <i>Pseudokirchneriella subcapitata</i> , Static system, Fresh water, Experimental value, Nominal concentration)

COCONUT DIETHANOLAMIDE (68603-42-9)	
LC50 - Fish [1]	4 mg/l (96 h, <i>Brachydanio rerio</i> , Semi-static system)
EC50 - Crustacea [1]	2.39 mg/l (48 h, <i>Daphnia pulex</i>)
EC50 96h - Algae [1]	2.2 mg/l (OECD 201: Alga, Growth Inhibition Test, <i>Scenedesmus subspicatus</i>)

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable

KEROSENE -(PETROLEUM) HYDRODESULFURIZED (64742-81-0)	
Persistence and degradability	Not rapidly degradable

NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
Persistence and degradability	Not readily biodegradable in water, Biodegradable in water.

2,2'-IMINODIETHANOL (111-42-2)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.22 g O ₂ /g substance
Chemical oxygen demand (COD)	1.52 g O ₂ /g substance
ThOD	2.13 g O ₂ /g substance

COCONUT DIETHANOLAMIDE (68603-42-9)	
Persistence and degradability	Readily biodegradable in water.

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12.3. Bioaccumulative potential

NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)

BCF - Fish [1]	7.6 – 12.4 l/kg (6 week(s), Cyprinus carpio, Static system, Fresh water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	5.67 (Practical experience/observation, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500). Low potential for bioaccumulation (molecular mass >=700 g/mol).

2,2'-IMINODIETHANOL (111-42-2)

BCF - Fish [1]	3.162 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	-2.18 – -1.43
Bioaccumulative potential	Not bioaccumulative.

COCONUT DIETHANOLAMIDE (68603-42-9)

Partition coefficient n-octanol/water (Log Pow)	3.52 (Calculated)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

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Mobility in soil	Soluble in water
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NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.631 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	No (test)data on mobility of the substance available. Low potential for adsorption in soil.

2,2'-IMINODIETHANOL (111-42-2)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.98 – 1 (log Koc, Calculated value)
Ecology - soil	No (test)data on mobility of the component(s) available.

12.5. Other adverse effects

Fluorinated greenhouse gases	:	No
Other information	:	No other effects known.

SECTION 13 Disposal considerations

Waste treatment methods	:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	:	Disposal must be done according to official regulations.
Additional information	:	Industrial waste.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

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DOT	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT
Not regulated

IMDG
Not regulated

IATA
Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

NONYLPHENOL, 4-Branched ETHOXYLATED	CAS-No. 127087-87-0	0-2%
2,2'-IMINODIETHANOL	CAS-No. 111-42-2	0-2%

2,2'-IMINODIETHANOL (111-42-2)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	100 lb
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15.2. International regulations

CANADA

KEROSINE -(PETROLEUM) HYDRODESULFURIZED (64742-81-0)

Listed on the Canadian DSL (Domestic Substances List)

NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)

Listed on the Canadian DSL (Domestic Substances List)

2,2'-IMINODIETHANOL (111-42-2)

Listed on the Canadian DSL (Domestic Substances List)

COCONUT DIETHANOLAMIDE (68603-42-9)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

2,2'-IMINODIETHANOL (111-42-2)

Listed on IARC (International Agency for Research on Cancer)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

COCONUT DIETHANOLAMIDE (68603-42-9)

Listed on IARC (International Agency for Research on Cancer)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations



WARNING:

This product can expose you to Diethanolamine, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 2/7/2025
Issue date : 12/12/2019

Full text of hazard classes and H-statements

H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H319	Causes serious eye irritation
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child
H402	Harmful to aquatic life

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Full text of hazard classes and H-statements	
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.