Sal Suds Biodegradable Cleaner

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 10/10/2022 Revision date: 10/10/2022 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixtures
Trade name : Sal Suds Biodegradable Cleaner
Product code : SSLISA

1.2. Recommended use and restrictions on use

Use of the substance/mixture : The ultimate multi-purpose household cleaner
Use of the substance/mixture : Consumer use

1.3. Supplier

Manufacturer
DR. Bronner's Magic Soaps
1335 Park Centre Drive
Vista, 92081
California
T (844) 937 - 2551
info@drbronner.com

1.4. Emergency telephone number

Emergency number : (800)255-3924 (North America); +1 (813)248-0585 (International)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 2 — Causes skin irritation
Serious eye damage/eye irritation Category 1 — Causes serious eye damage

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger
Hazard statements (GHS US) : Causes skin irritation
Causes serious eye damage
Precautionary statements (GHS US) : If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Wash hands thoroughly after handling.
If on skin: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a doctor, a POISON CENTER.
If skin irritation occurs: Get medical advice/attention.
Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Sodium lauryl sulfate	CAS-No.: 151-21-3	10 – 20	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Dermal), H310 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	CAS-No.: 110615-47-9	< 7	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	CAS-No.: 68955-19-1	< 7	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401
sodium benzoate	CAS-No.: 532-32-1	< 2	Eye Irrit. 2A, H319
FIR NEEDLE OIL	CAS-No.: 8021-29-2	< 0.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Seek immediate medical advice.

First-aid measures after eye contact : 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.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
Symptoms/effects after skin contact : Causes skin irritation.
Symptoms/effects after eye contact : Causes serious eye damage.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin, eyes and clothing.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. For small spills: dilute with small amount of water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Hygiene measures : Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sal Suds Biodegradable Cleaner

No additional information available

Sodium lauryl sulfate (151-21-3)

No additional information available

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)

No additional information available

Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)

No additional information available

sodium benzoate (532-32-1)

USA - ACGIH - Occupational Exposure Limits

Local name	Sodium benzoate, as benzoate
ACGIH OEL TWA	2.5 mg/m³ (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: Kidney changes. Notations: Skin; A5 (Not Suspected as a Human Carcinogen)
ACGIH chemical category	Not Suspected as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route
Regulatory reference	ACGIH 2022

FIR NEEDLE OIL (8021-29-2)

No additional information available

Monitoring methods

Monitoring methods	A specific exposure sampling method is not available.

8.2. Appropriate engineering controls

Environmental exposure controls : Avoid discharge to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
Avoid contact with skin. Avoid repeated or prolonged skin contact. In case of repeated or prolonged contact (industrial environment), wear gloves; Chemical resistant gloves in accordance with OSHA requirements (29 CFR 1910.138)

Eye protection:
Avoid contact with eyes. Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. In industrial environment, use safety glasses for eye protection tested and approved in accordance with OSHA requirements (29 CFR 1910.133).

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Color	:	Light gray
Odor	:	Pleasant
Odor threshold	:	No data available
pH	:	6.5 – 7
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	Nonflammable.
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	1.02 – 1.04
Solubility	:	Soluble.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	To avoid thermal decomposition, do not overheat.
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	1000 – 1200 cP
Explosion limits	:	No data available
Explosive properties	:	Not explosive as none of the components is classified as explosive or oxidizing.
Oxidizing properties	:	None of the components are classified for oxidizing properties.

9.2. Other information

No additional information available

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 at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

None known.

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

Sodium lauryl sulfate (151-21-3)	
LD50 oral rat	1288 mg/kg
LD50 oral	977 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	200 mg/kg
LD50 dermal	580 mg/kg body weight
LC50 Inhalation - Rat	> 3900 mg/m³ (Exposure time: 1 h)
ATE US (oral)	1288 mg/kg body weight
ATE US (dermal)	200 mg/kg body weight
ATE US (dust, mist)	1.5 mg/l/4h

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)	
LD50 oral rat	> 5000 mg/kg Source: ECHA
LD50 oral	> 2000 mg/kg body weight
LD50 dermal rabbit	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg body weight

Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)	
LD50 oral rat	> 2000 mg/kg
LD50 oral	> 2000 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 10000 mg/kg

sodium benzoate (532-32-1)	
LD50 oral rat	4070 mg/kg
LD50 oral	2100 mg/kg body weight

sodium benzoate (532-32-1)	
LD50 dermal rabbit	> 2000 mg/kg body weight Animal: rabbit
LC50 Inhalation - Rat	> 12.2 mg/l air Animal: rat
ATE US (oral)	4070 mg/kg body weight

FIR NEEDLE OIL (8021-29-2)	
LD50 oral rat	10200 mg/kg Source: ChemIDplus
ATE US (oral)	10200 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.
pH: 6.5 – 7

Sodium lauryl sulfate (151-21-3)	
pH	9.1 Concentration: 1 other:%

sodium benzoate (532-32-1)	
pH	8

Serious eye damage/irritation : Causes serious eye damage.
pH: 6.5 – 7

Sodium lauryl sulfate (151-21-3)	
pH	9.1 Concentration: 1 other:%

sodium benzoate (532-32-1)	
pH	8

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)	
NOAEL (oral,rat,90 days)	1000 mg/kg body weight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)

sodium benzoate (532-32-1)	
NOAEL (oral,rat,90 days)	1000 mg/kg body weight Animal: rat
NOAEL (dermal,rat/rabbit,90 days)	> 2500 mg/kg body weight Animal: rabbit, Guideline: EPA OPP 82-2 (Repeated Dose Dermal Toxicity -21/28 Days)
NOAEC (inhalation,rat,dust/mist/fume,90 days)	≤ 0.025 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
Symptoms/effects after skin contact : Causes skin irritation.
Symptoms/effects after eye contact : Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

Sodium lauryl sulfate (151-21-3)	
LC50 - Fish [1]	29 mg/l
EC50 - Crustacea [1]	1.8 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Other aquatic organisms [1]	5.55 mg/l waterflea
LC50 - Fish [2]	8 – 12.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Other aquatic organisms [2]	> 120 mg/l
EC50 72h - Algae [1]	> 120 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	53 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	30 – 100 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [2]	117 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 96h algae (3)	3.59 – 15.6 mg/l (Species: Pseudokirchneriella subcapitata [static])
NOEC chronic fish	≥ 1.357 mg/l Test organisms (species): Pimephales promelas Duration: '42 d'
NOEC chronic crustacea	0.88 mg/l

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)	
LC50 - Fish [1]	2 mg/l Source: ECHA
EC50 - Crustacea [1]	7 mg/l Source: ECHA
EC50 - Other aquatic organisms [1]	7 mg/l waterflea
LC50 - Fish [2]	5.9 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [2]	14 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [2]	5 mg/l
EC50 72h - Algae [1]	12.5 mg/l Source: ECHA

Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)	
LC50 - Fish [1]	1.3 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	2.8 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	20 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	14 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	42 mg/l (Species: Desmodesmus subspicatus)
ErC50 algae	42 mg/l Source: IUCLID

sodium benzoate (532-32-1)	
LC50 - Fish [1]	420 – 558 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	< 650 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Other aquatic organisms [1]	> 100 mg/l waterflea

sodium benzoate (532-32-1)	
LC50 - Fish [2]	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Other aquatic organisms [2]	30.5 mg/l
EC50 72h - Algae [1]	> 30.5 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC chronic fish	10 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '144 h'
NOEC chronic algae	6.5 mg/l

FIR NEEDLE OIL (8021-29-2)	
LC50 - Fish [1]	2.316 mg/l Source: ECOSAR

12.2. Persistence and degradability

Sal Suds Biodegradable Cleaner	
Persistence and degradability	Not established.

sodium benzoate (532-32-1)	
Not rapidly degradable	
Persistence and degradability	Easily biodegradable (concerning to the criteria of the OECD).

12.3. Bioaccumulative potential

Sal Suds Biodegradable Cleaner	
Bioaccumulative potential	Not established.

Sodium lauryl sulfate (151-21-3)	
BCF - Fish [1]	(will not bioconcentrate)
Partition coefficient n-octanol/water (Log Pow)	< 3

Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)	
Partition coefficient n-octanol/water (Log Pow)	-2.1

sodium benzoate (532-32-1)	
BCF - Fish [1]	(no bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	-2.13

FIR NEEDLE OIL (8021-29-2)	
Partition coefficient n-octanol/water (Log Pow)	4.3 Source: EPISUITE

12.4. Mobility in soil

sodium benzoate (532-32-1)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.89 @20°C

FIR NEEDLE OIL (8021-29-2)	
Mobility in soil	319.3 Source: EPISUITE

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

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

14.6. Special precautions for user

DOT
No data available

TDG
No data available

IMDG
No data available

IATA
No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Sal Suds Biodegradable Cleaner	
SARA Section 311/312 Hazard Classes	Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:		
Picea Mariana	CAS-No. 91722-19-9	≤ 0.05%
FIR NEEDLE OIL	CAS-No. 8021-29-2	< 0.5%

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

WATER (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

Sodium lauryl sulfate (151-21-3)

Listed on the Canadian DSL (Domestic Substances List)

Sodium chloride (7647-14-5)

Listed on the Canadian DSL (Domestic Substances List)

Citric acid (77-92-9)

Listed on the Canadian DSL (Domestic Substances List)

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)

Listed on the Canadian DSL (Domestic Substances List)

Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)

Listed on the Canadian DSL (Domestic Substances List)

sodium benzoate (532-32-1)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

WATER (7732-18-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Sodium chloride (7647-14-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Citric acid (77-92-9)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

sodium benzoate (532-32-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Picea Mariana (91722-19-9)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

FIR NEEDLE OIL (8021-29-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Sal Suds Biodegradable Cleaner

This material is considered hazardous according to the criteria of the US OSHA Hazard Communication Standard (29 CFR 1910.1200).

WATER (7732-18-5)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Sodium chloride (7647-14-5)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Citric acid (77-92-9)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

sodium benzoate (532-32-1)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Picea Mariana (91722-19-9)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

FIR NEEDLE OIL (8021-29-2)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

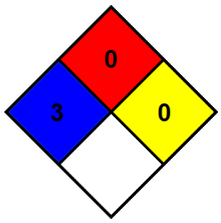
15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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

Revision date	:	10/10/2022
Data sources	:	All requirement according to the federal final rule of hazard communication revised on 2012 (HazCom 2012) has been applied.
Other information	:	None.
NFPA health hazard	:	3 - Materials that, under emergency conditions, can cause serious or permanent injury.
NFPA fire hazard	:	0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity	:	0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health	:	3 Serious Hazard - Major injury likely unless prompt action is taken, and medical treatment is given
Flammability	:	0 Minimal Hazard - Materials that will not burn
Physical	:	0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

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.