

## SAFETY DATA SHEET: DPF Soak Pro (Stage 1)

### SECTION 1: Identification

#### 1.1. Product Identifier

**Trade Name**

DPF Soak Pro (Stage 1)

**Product no.**

DC777

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**▼ Relevant identified uses of the substance or mixture**

Cleaning product

Restricted to professional users

**Uses advised against**

None known.

#### 1.3. Details of the supplier of the safety data sheet

**Company and address****DC Lubricants Limited**

7 The Old Mill, Reading Road

Pangbourne

Reading, RG8 7HY, UK

+44 118 304 8449

<https://dclubricants.uk/>**Contact person**

Product Safety Department

**E-mail**

hello@dclubricants.uk

**SDS date**

10/11/2023

**SDS Version**

2.0

**Date of previous version**

1/24/2023 (2.0)

**Emergency telephone number**

If they're showing signs of being seriously ill, such as being sick, loss of consciousness, drowsiness or seizures (fits), call 999 to request an ambulance or take the person to your local A&amp;E department.

See section 4 "First aid measures"

### SECTION 2: Hazards identification

**OSHA/HCS status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**2.1. Classification of the substance or mixture**

Eye Dam. 1; H318, Causes serious eye damage.

**2.2. Label elements**

Hazard pictogram(s)



**Signal word**

Danger

**Hazard statement(s)**

Causes serious eye damage. (H318))

**Precautionary statement(s)**

**General**

-

**Prevention**

Wear eye protection/protective gloves. (P280)

**Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305+P351+P338)

Immediately call a POISON CENTER/doctor. (P310)

**Storage**

-

**Disposal**

-

**Additional labelling**

Not applicable

**2.3. Other hazards**

**Additional warnings**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**SECTION 3: Composition/information on ingredients**

**3.1. Substances**

Not applicable. This product is a mixture.

**3.2. Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
Sodium benzoate	CAS No.: 532-32-1	1-3%	Eye Irrit. 2, H319	
Sodium 2-(2-dodecyloxyethoxy)ethyl sulphate	CAS No.: 3088-31-1	1-3%	Skin Irrit. 2, H315 Eye Dam. 1, H318	
sodium carbonate	CAS No.: 497-19-8	1-3%	Eye Irrit. 2, H319	
Silicic acid, sodium salt	CAS No.: 1344-09-8	1-3%	Skin Irrit. 2, H315 Eye Dam. 1, H318	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**▼ Other information**

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**SECTION 4: First-aid measures**

**4.1. ▼ Description of first aid measures**

**General Information**

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 999 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

**Inhalation**

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

**Skin contact**

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

**▼ Eye contact**

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

**▼ Ingestion**

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

**Burns**

Not applicable.

**4.2. Most important symptoms and effects, both acute and delayed**

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

**4.3. Indication of any immediate medical attention and special treatment needed**

IF exposed or concerned:

Get immediate medical advice/attention.

**Information to medics**

Bring this safety data sheet or the label from this product.

**SECTION 5: Fire-fighting measures****5.1. Extinguishing media**

Not applicable

**5.2. Special hazards arising from the substance or mixture**

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Sulphur oxides

Carbon oxides (CO / CO<sub>2</sub>)

Some metal oxides.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

**6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

**6.3. Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

**6.4. Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Avoid direct contact with the product.
- Smoking, drinking and consumption of food is not allowed in the work area.
- See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2 Conditions for safe storage, including any incompatibilities

- Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.
- Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

- Always store in containers of the same material as the original container.

#### Storage temperature

- Dry, cool and well ventilated

#### Incompatible materials

- Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3 Specific end use(s)

- This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

- propan-2-ol;isopropyl alcohol;isopropanol
- Short term exposure limit (STEL) (ACGIH TLV) (ppm): 400
- Short term exposure limit (STEL) (NIOSH REL) (ppm): 500
- Long term exposure limit (OSHA Table Z-1) (mg/m<sup>3</sup>): 980
- Long term exposure limit (OSHA Table Z-1) (ppm): 400
- Long term exposure limit (ACGIH TLV) (ppm): 200
- sodium hydroxide;caustic soda
- Long term exposure limit (OSHA Table Z-1) (mg/m<sup>3</sup>): 2
- Long term exposure limit (ACGIH TLV) (mg/m<sup>3</sup>): (Ceiling) 2
- Ceiling value (NIOSH REL) (mg/m<sup>3</sup>): 2

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

### 8.2 ▼Exposure controls

- Compliance with the given occupational exposure limits values should be controlled on a regular basis.

#### General recommendations

- Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

- There are no exposure scenarios implemented for this product.

#### Exposure limits

- Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

#### ▼Appropriate technical measures

- The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
- Ensure that eyewash stations and safety showers are located within easy reach.
- Apply standard precautions during use of the product. Avoid inhalation of vapours.

#### Hygiene measures

- In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure

- No specific requirements.

### Individual protection measures, such as personal protective equipment

#### Generally

- Use only protective equipment with a recognized certification mark, e.g. the UL mark.

**Respiratory Equipment**

No specific requirements

**Skin protection**

Recommended	Type/Category	Standards
No special when used as intended	-	-

**Hand protection**

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0.38	> 240	EN374-2, EN374-3, EN388



**Eye protection**

Type	Standards
Safety glasses with side shields.	EN 166



**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Physical state**

Liquid

**Colour**

Transparent white

**Odour**

Characteristic

**Odour threshold (ppm)**

Testing not relevant or not possible due to the nature of the product.

**pH**

7

**Density (g/cm<sup>3</sup>)**

Testing not relevant or not possible due to the nature of the product.

**▼ Kinematic viscosity**

Testing not relevant or not possible due to the nature of the product.

**Phase changes**

**Melting point (°F)**

Testing not relevant or not possible due to the nature of the product.

**▼ Softening point/range (waxes and pastes) (°F)**

Does not apply to liquids.

**Boiling point (°F)**

-

**Boiling point (°C)**

100

**Vapour pressure**

Testing not relevant or not possible due to the nature of the product.

**Relative vapour density**

Testing not relevant or not possible due to the nature of the product.

**Decomposition temperature (°F)**

Testing not relevant or not possible due to the nature of the product.

**Data on fire and explosion hazards**

**Flash point (°F)**

Testing not relevant or not possible due to the nature of the product.

**Flammability (°F)**

Testing not relevant or not possible due to the nature of the product.

**Auto-ignition temperature (°F)**

Testing not relevant or not possible due to the nature of the product.

**Explosion limits (% v/v)**

Testing not relevant or not possible due to the nature of the product.

**Solubility**

**Solubility in water**

Completely soluble

**n-octanol/water coefficient**

Testing not relevant or not possible due to the nature of the product.

**▼ Solubility in fat (g/L)**

Testing not relevant or not possible due to the nature of the product.

**9.2 Other information**

**▼ Other physical and chemical parameters**

No data available

**▼ Oxidizing properties**

Testing not relevant or not possible due to the nature of the product

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

**10.3. Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**▼ Acute toxicity**

Product/substance Species: Route of exposure: Test: Result:	Sodium benzoate Rat Oral LD50 4070 mg/kg
Product/substance Species: Route of exposure: Test: Result:	sodium carbonate Rat Oral LD50 4090 mg/kg
Product/substance Species: Route of exposure: Test: Result:	Silicic acid, sodium salt Rat Oral LD50 1960 mg/kg
Product/substance Species: Route of exposure: Test: Result:	Silicic acid, sodium salt Rabbit Dermal LD50 4640 mg/kg

Product/substance Species: Route of exposure: Test: Result:	propan-2-ol;isopropyl alcohol;isopropanol Rat Dermal LD50 5045 mg/kg
Product/substance Species: Route of exposure: Test: Result:	propan-2-ol;isopropyl alcohol;isopropanol Rabbit Dermal LD50 12800 mg/kg

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

Causes serious eye damage

**Respiratory sensitisation**

Based on available data, the classification criteria are not met.

**Skin sensitisation**

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Long term effects**

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

**Other Information**

propan-2-ol;isopropyl alcohol;isopropanol has been classified by IARC as a group 3 carcinogen.

**SECTION 12: Ecological information**

**12.1. ▼ Toxicity**

Product/substance Species: Duration: Test: Result:	Sodium benzoate Fish 96 hours LC50 484 mg/L
Product/substance Species: Duration: Test: Result:	sodium carbonate Fish 96 hours LC50 300 mg/L
Product/substance Species: Duration: Test: Result:	sodium carbonate Crustacean 48 hours EC50 200 mg/L
Product/substance Species: Duration: Test: Result:	Silicic acid, sodium salt Crustacean 48 hours EC50 17 mg/L

Product/substance Species: Duration: Test: Result:	Dodecylbenzenesulphonic acid Fish 96 hours LC50 4.5 mg/L
Product/substance Species: Duration: Test: Result:	Dodecylbenzenesulphonic acid Crustacean 48 hours EC50 3.4 mg/L
Product/substance Species: Duration: Test: Result:	Dodecylbenzenesulphonic acid Algae 72 hours ErC50 >50 mg/L
Product/substance Species: Test: Result:	Dodecylbenzenesulphonic acid Crustacean NOEC 3.3 mg/L
Product/substance Species: Test: Result:	Dodecylbenzenesulphonic acid Algae NOEC 5 mg/L
Product/substance Species: Duration: Test: Result:	propan-2-ol;isopropyl alcohol;isopropanol Fish 96 hours LC50 9640 mg/L
Product/substance Species: Duration: Test: Result:	propan-2-ol;isopropyl alcohol;isopropanol Crustacean 48 hours EC50 >1000 mg/L
Product/substance Species: Duration: Test: Result:	propan-2-ol;isopropyl alcohol;isopropanol Algae 72 hours ErC50 >1000 mg/L
Product/substance Species: Test: Result:	propan-2-ol;isopropyl alcohol;isopropanol Crustacean NOEC >100 mg/L
Product/substance Species: Test: Result:	propan-2-ol;isopropyl alcohol;isopropanol Algae NOEC >1000 mg/L

**12.2. Persistence and degradability**

No data available.

**12.3. ▼ Bioaccumulative potential**

Product/substance Potential bioaccumulation: LogPow: BCF:	Dodecylbenzenesulphonic acid No data available No data available 140
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**12.4. Mobility in soil**

Dodecylbenzenesulphonic acid  
LogKoc = 16830, Low mobility potential.

**12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**12.6. Other adverse effects**

None known.

**SECTION 13: Disposal considerations**

**RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)**

None of the components are listed

**▼ Specific labelling**

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: Transport information**

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
DOT	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

**▼ Additional information**

Not dangerous goods according to DOT, IATA and IMDG.

**14.6. Special precautions for user**

Not applicable.

**14.7. Maritime transport in bulk according to IMO instruments**

No data available.

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. U.S. Federal regulations**

**TSCA**

- Sodium benzoate is listed in the non-confidential portion
- Dodecylbenzenesulphonic acid is listed in the non-confidential portion
- sodium carbonate is listed in the non-confidential portion
- propan-2-ol;isopropyl alcohol;isopropanol is listed in the non-confidential portion
- sodium hydroxide;caustic soda is listed in the non-confidential portion

**Clean Air Act**

None of the components are listed

**EPCRA Section 302**

None of the components are listed

**EPCRA Section 304**

None of the components are listed

**EPCRA section 313**

propan-2-ol;isopropyl alcohol;isopropanol is listed

**CERCLA**

- Dodecylbenzenesulphonic acid is regulated with a Reportable Quantity (RQ) of: 1000 pounds
- sodium hydroxide;caustic soda is regulated with a Reportable Quantity (RQ) of: 1000 pounds

**▼ State regulations**

**California / Prop. 65**

None of the components are listed

**Massachusetts / Right To Know Act**

- Dodecylbenzenesulphonic acid is listed
- propan-2-ol;isopropyl alcohol;isopropanol is listed
- sodium hydroxide;caustic soda is listed

**New Jersey / Right To Know Act**

Dodecylbenzenesulphonic acid / Substance number: 0822

Dodecylbenzenesulphonic acid is on the Special Health Hazard Substance List

propan-2-ol;isopropyl alcohol;isopropanol / Substance number: 1076

propan-2-ol;isopropyl alcohol;isopropanol is on the Special Health Hazard Substance List

sodium hydroxide;caustic soda / Substance number: 1706

sodium hydroxide;caustic soda is on the Special Health Hazard Substance List

**▼ New York / Right To Know Act**

Dodecylbenzenesulphonic acid is listed

Dodecylbenzenesulphonic acid is regulated with a Reportable Quantity (RQ) of: 1000 pounds

Dodecylbenzenesulphonic acid is regulated with a Treshold Reporting Quantity (TRQ) of: 100 pounds

propan-2-ol;isopropyl alcohol;isopropanol is listed

propan-2-ol;isopropyl alcohol;isopropanol is regulated with a Treshold Reporting Quantity (TRQ) of: 0 pounds

sodium hydroxide;caustic soda is listed

sodium hydroxide;caustic soda is regulated with a Reportable Quantity (RQ) of: 1000 pounds

sodium hydroxide;caustic soda is regulated with a Treshold Reporting Quantity (TRQ) of: 100 pounds

**Pennsylvania / Right To Know Act**

Dodecylbenzenesulphonic acid is listed

Dodecylbenzenesulphonic acid is hazardous to the environment (E)

propan-2-ol;isopropyl alcohol;isopropanol is listed

propan-2-ol;isopropyl alcohol;isopropanol is hazardous to the environment (E)

sodium hydroxide;caustic soda is listed

sodium hydroxide;caustic soda is hazardous to the environment (E)

**15.4. Restrictions for application**

Restricted to professional users.

**15.5. Demands for specific education**

No specific requirements.

**15.6. Additional information**

Not applicable.

**15.7 Chemical safety assessment**

No

**15.8. Sources**

OSHA Hazard Communication Standard (29 CFR 1910.1200)

**SECTION 16: Other information****Full text of H-phrases as mentioned in section 3**

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

**The full text of identified uses as mentioned in section 1**

None known.

**Abbreviations and acronyms**

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

DOT = Department of Transportation

EINECS = European Inventory of Existing Commercial chemical Substances  
EPCRA = Emergency Planning and Community Right-To-Know Act  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
HCIS = Hazardous Chemical Information System  
HNOC = Hazards Not Otherwise Classified  
IARC = International Agency for Research on Cancer  
IATA = International Air Transport Association  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NFPA = National Fire Protection Association  
NIOSH = National Institute for Occupational Safety and Health  
OECD = Organisation for Economic Co-operation and Development  
OSHA = Occupational Safety and Health Administration  
PBT = Persistent, Bioaccumulative and Toxic  
RCRA = Resource Conservation and Recovery Act  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SARA = Superfund Amendments and Reauthorization Act  
SCL = A specific concentration limit.  
STEL = Short-term exposure limits  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TSCA = The Toxic Substances Control Act  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

**▼ Additional information**

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by HCS (29 CFR 1910.1200).

**▼ The safety data sheet is validated by**

Product Safety Department

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en

## SAFETY DATA SHEET: DPF Rinse Pro (Stage 2)

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product Identifier

**Trade Name**

DPF Rinse Pro (Stage 2)

**Product no.**

DC777

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**▼ Relevant identified uses of the substance or mixture**

Cleaning product

Restricted to professional users

**Uses advised against**

None known.

#### 1.3. Details of the supplier of the safety data sheet

**Company and address****DC Lubricants Limited**

7 The Old Mill, Reading Road

Pangbourne

Reading, RG8 7HY, UK

+44 118 304 8449

<https://dclubricants.uk/>**Contact person**

Product Safety Department

**E-mail**

hello@dclubricants.uk

**SDS date**

10/11/2023

**SDS Version**

4.0

**Date of previous version**

1/24/2023 (2.0)

**Emergency telephone number**

If they're showing signs of being seriously ill, such as being sick, loss of consciousness, drowsiness or seizures (fits), call 999 to request an ambulance or take the person to your local A&amp;E department.

See section 4 "First aid measures"

### SECTION 2: Hazard(s) identification

**OSHA/HCS status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**2.1. Classification of the substance or mixture**

Skin Irrit. 2; H315, Causes skin irritation.

Eye Irrit. 2; H319, Causes serious eye irritation.

**2.2. Label elements**

Hazard pictogram(s)



**Signal word**

Warning

**Hazard statement(s)**

Causes skin irritation. (H315)

Causes serious eye irritation. (H319)

**Precautionary statement(s)**

**General**

-

**Prevention**

Wash hands thoroughly after handling. (P264)

Wear eye protection/protective gloves. (P280)

**Response**

If eye irritation persists: Get medical advice/attention. (P337+P313)

**Storage**

-

**Disposal**

-

**Additional labelling**

Not applicable

**2.3. Other hazards**

**Additional warnings**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**SECTION 3: Composition/information on ingredients**

**3.1. Substances**

Not applicable. This product is a mixture.

**3.2. Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
Sodium benzoate	CAS No.: 532-32-1	3-5%	Eye Irrit. 2, H319	
Dodecylbenzenesulphonic acid	CAS No.: 27176-87-0	1-3%	Acute Tox. 4, H302 Skin Corr. 1B, H314	
sodium carbonate	CAS No.: 497-19-8	1-3%	Eye Irrit. 2, H319	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information**

-

**SECTION 4: First-aid measures**

**4.1. Description of first aid measures**

**General Information**

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 999 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

**Inhalation**

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

**Skin contact**

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention

**▼ Eye contact**

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

**▼ Ingestion**

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

**Burns**

Not applicable.

**4.2. Most important symptoms and effects, both acute and delayed**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure

**4.3. Indication of any immediate medical attention and special treatment needed**

If eye irritation persists: Get medical advice/attention.

**Information to medics**

Bring this safety data sheet or the label from this product.

**SECTION 5: Fire-fighting measures****5.1. Extinguishing media**

Not applicable

**5.2. Special hazards arising from the substance or mixture**

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)  
Some metal oxides.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid direct contact with spilled substances.  
Ensure adequate ventilation, especially in confined areas.  
Contaminated areas may be slippery.

**6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.  
Keep unauthorized persons away from the spill

**6.3. Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.  
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

**6.4. Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.  
See section 8 "Exposure controls/personal protection" for protective measures

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

No specific requirements

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3 Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

propan-2-ol;isopropyl alcohol;isopropanol

Short term exposure limit (STEL) (ACGIH TLV) (ppm): 400

Short term exposure limit (STEL) (NIOSH REL) (ppm): 500

Long term exposure limit (OSHA Table Z-1) (mg/m<sup>3</sup>): 980

Long term exposure limit (OSHA Table Z-1) (ppm): 400

Long term exposure limit (ACGIH TLV) (ppm): 200

sodium hydroxide;caustic soda

Long term exposure limit (OSHA Table Z-1) (mg/m<sup>3</sup>): 2

Long term exposure limit (ACGIH TLV) (mg/m<sup>3</sup>): (Ceiling) 2

Ceiling value (NIOSH REL) (mg/m<sup>3</sup>): 2

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

### 8.2 ▼Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

There are no exposure scenarios implemented for this product.

#### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

#### ▼Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours

#### Hygiene measures

Take off contaminated clothing and wash it before reuse.

#### Measures to avoid environmental exposure

No specific requirements.

### Individual protection measures, such as personal protective equipment

#### Generally

Use only protective equipment with a recognized certification mark, e.g. the UL mark.

#### Respiratory Equipment


No specific requirements

#### Skin protection

No specific requirements.


**Hand protection**

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0.38	> 240	EN374-2, EN374-3, EN388



**Eye protection**

Type	Standards
Safety glasses with side shields.	EN 166



**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Physical state**

Liquid

**Colour**

Transparent white

**Odour**

Characteristic

**Odour threshold (ppm)**

Testing not relevant or not possible due to the nature of the product.

**pH**

7

**Density (g/cm<sup>3</sup>)**

Testing not relevant or not possible due to the nature of the product.

**▼ Kinematic viscosity**

Testing not relevant or not possible due to the nature of the product.

**Phase changes**

**Melting point (°F)**

Testing not relevant or not possible due to the nature of the product.

**▼ Softening point/range (waxes and pastes) (°F)**

Does not apply to liquids.

**Boiling point (°F)**

-

**Boiling point (°C)**

100

**Vapour pressure**

Testing not relevant or not possible due to the nature of the product.

**Relative vapour density**

Testing not relevant or not possible due to the nature of the product.

**Decomposition temperature (°F)**

Testing not relevant or not possible due to the nature of the product.

**Data on fire and explosion hazards**

**Flash point (°F)**

Testing not relevant or not possible due to the nature of the product.

**Flammability (°F)**

Testing not relevant or not possible due to the nature of the product.

**Auto-ignition temperature (°F)**

Testing not relevant or not possible due to the nature of the product.

**Explosion limit (% v/v)**

Testing not relevant or not possible due to the nature of the product.

**Solubility**

**Solubility in water**

Completely soluble

**n-octanol/water coefficient**

Testing not relevant or not possible due to the nature of the product.

▼ **Solubility in fat (g/L)**

Testing not relevant or not possible due to the nature of the product.

**9.2 Other information**

▼ **Other physical and chemical parameters**

No data available

▼ **Oxidizing properties**

Testing not relevant or not possible due to the nature of the product

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

**10.3. Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

▼ **Acute toxicity**

Product/substance	Sodium benzoate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	4070 mg/kg
Product/substance	sodium carbonate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	4090 mg/kg
Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	5045 mg/kg
Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	12800 mg/kg

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory sensitisation**

Based on available data, the classification criteria are not met.

**Skin sensitisation**

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Long term effects**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

**Other Information**

propan-2-ol;isopropyl alcohol;isopropanol has been classified by IARC as a group 3 carcinogen.

**SECTION 12: Ecological information**

**12.1. ▼ Toxicity**

Product/substance Species: Duration: Test: Result:	Sodium benzoate Fish 96 hours LC50 484 mg/L
Product/substance Species: Duration: Test: Result:	Dodecylbenzenesulphonic acid Fish 96 hours LC50 4.5 mg/L
Product/substance Species: Duration: Test: Result:	Dodecylbenzenesulphonic acid Crustacean 48 hours EC50 3.4 mg/L
Product/substance Species: Duration: Test: Result:	Dodecylbenzenesulphonic acid Algae 72 hours ErC50 >50 mg/L
Product/substance Species: Test: Result:	Dodecylbenzenesulphonic acid Crustacean NOEC 3.3 mg/L
Product/substance Species: Test: Result:	Dodecylbenzenesulphonic acid Algae NOEC 5 mg/L
Product/substance Species: Duration: Test: Result:	sodium carbonate Fish 96 hours LC50 300 mg/L

Product/substance Species: Duration: Test: Result:	Ssodium carbonate Crustacean 48 hours EC50 200 mg/L
Product/substance Species: Duration: Test: Result:	propan-2-ol;isopropyl alcohol;isopropanol Fish 96 hours LC50 9640 mg/L
Product/substance Species: Duration: Test: Result:	propan-2-ol;isopropyl alcohol;isopropanol Crustacean 48 hours EC50 >1000 mg/L
Product/substance Species: Duration: Test: Result:	propan-2-ol;isopropyl alcohol;isopropanol Algae 72 hours ErC50 >1000 mg/L
Product/substance Species: Test: Result:	propan-2-ol;isopropyl alcohol;isopropanol Crustacean NOEC >100 mg/L
Product/substance Species: Test: Result:	propan-2-ol;isopropyl alcohol;isopropanol Algae NOEC >1000 mg/L

**12.2. Persistence and degradability**

No data available.

**12.3. ▼ Bioaccumulative potential**

Product/substance Potential bioaccumulation: LogPow: BCF:	Dodecylbenzenesulphonic acid No data available No data available 140
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**12.4. Mobility in soil**

Dodecylbenzenesulphonic acid  
LogKoc = 16830, Low mobility potential.

**12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**12.6. Other adverse effects**

None known.

**SECTION 13: Disposal considerations**

**RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)**

None of the components are listed

**▼ Specific labelling**

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: Transport information**

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
DOT	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

▼ **Additional information**

Not dangerous goods according to DOT, IATA and IMDG.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available.

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. U.S. Federal regulations**

**TSCA**

Sodium benzoate is listed in the non-confidential portion  
 Dodecylbenzenesulphonic acid is listed in the non-confidential portion  
 sodium carbonate is listed in the non-confidential portion  
 propan-2-ol;isopropyl alcohol;isopropanol is listed in the non-confidential portion  
 sodium hydroxide;caustic soda is listed in the non-confidential portion

**Clean Air Act**

None of the components are listed

**EPCRA Section 302**

None of the components are listed

**EPCRA Section 304**

None of the components are listed

**EPCRA section 313**

propan-2-ol;isopropyl alcohol;isopropanol is listed

**CERCLA**

Dodecylbenzenesulphonic acid is regulated with a Reportable Quantity (RQ) of: 1000 pounds  
 sodium hydroxide;caustic soda is regulated with a Reportable Quantity (RQ) of: 1000 pounds

▼ **State regulations**

**California / Prop. 65**

None of the components are listed

**Massachusetts / Right To Know Act**

Dodecylbenzenesulphonic acid is listed  
 propan-2-ol;isopropyl alcohol;isopropanol is listed  
 sodium hydroxide;caustic soda is listed

**New Jersey / Right To Know Act**

Dodecylbenzenesulphonic acid / Substance number: 0822  
 Dodecylbenzenesulphonic acid is on the Special Health Hazard Substance List

—  
 propan-2-ol;isopropyl alcohol;isopropanol / Substance number: 1076  
 propan-2-ol;isopropyl alcohol;isopropanol is on the Special Health Hazard Substance List

—  
 sodium hydroxide;caustic soda / Substance number: 1706  
 sodium hydroxide;caustic soda is on the Special Health Hazard Substance List

—

**▼ New York / Right To Know Act**

Dodecylbenzenesulphonic acid is listed

Dodecylbenzenesulphonic acid is regulated with a Reportable Quantity (RQ) of: 1000 pounds

Dodecylbenzenesulphonic acid is regulated with a Treshold Reporting Quantity (TRQ) of: 100 pounds

—  
propan-2-ol;isopropyl alcohol;isopropanol is listed

propan-2-ol;isopropyl alcohol;isopropanol is regulated with a Treshold Reporting Quantity (TRQ) of: 0 pounds

—  
sodium hydroxide;caustic soda is listed

sodium hydroxide;caustic soda is regulated with a Reportable Quantity (RQ) of: 1000 pounds

sodium hydroxide;caustic soda is regulated with a Treshold Reporting Quantity (TRQ) of: 100 pounds

**Pennsylvania / Right To Know Act**

Dodecylbenzenesulphonic acid is listed

Dodecylbenzenesulphonic acid is hazardous to the environment (E)

—  
propan-2-ol;isopropyl alcohol;isopropanol is listed

propan-2-ol;isopropyl alcohol;isopropanol is hazardous to the environment (E)

—  
sodium hydroxide;caustic soda is listed

sodium hydroxide;caustic soda is hazardous to the environment (E)

**15.4. Restrictions for application**

Restricted to professional users.

**15.5. Demands for specific education**

No specific requirements.

**15.6. Additional information**

Not applicable.

**15.7 Chemical safety assessment**

No

**15.8. Sources**

OSHA Hazard Communication Standard (29 CFR 1910.1200)

**SECTION 16: Other information****Full text of H-phrases as mentioned in section 3**

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H319, Causes serious eye irritation

**The full text of identified uses as mentioned in section 1**

None known.

**Abbreviations and acronyms**

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

DOT = Department of Transportation

EINECS = European Inventory of Existing Commercial chemical Substances

EPCRA = Emergency Planning and Community Right-To-Know Act

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

HCIS = Hazardous Chemical Information System

HNOC = Hazards Not Otherwise Classified

IARC = International Agency for Research on Cancer

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of

1978. ("Marpol" = marine pollution)

NFPA = National Fire Protection Association

NIOSH = National Institute for Occupational Safety and Health

OECD = Organisation for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration

PBT = Persistent, Bioaccumulative and Toxic

RCRA = Resource Conservation and Recovery Act

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SARA = Superfund Amendments and Reauthorization Act

SCL = A specific concentration limit.

STEL = Short-term exposure limits

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TSCA = The Toxic Substances Control Act

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

▼ **Additional information**

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by HCS (29 CFR 1910.1200).

▼ **The safety data sheet is validated by**

Product Safety Department

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en