

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&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 / CO₂)

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/m³): 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/m³): 2

Long term exposure limit (ACGIH TLV) (mg/m³): (Ceiling) 2

Ceiling value (NIOSH REL) (mg/m³): 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/cm³)

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 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:	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

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

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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