Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended S.I. 2019 No. 758

SAFETY DATA SHEET

DST-DEGREEZ/2

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

1.1. Product identifier

Trade name

DST-DEGREEZ/2

Product no.

743964 (DK)

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

Relevant identified uses of the substance or mixture

Cleaner for industrial metal working

Use descriptors (UK REACH)

Sectors of use	**Description**
LCS "IS"	Industrial uses: Uses of substances as such or in preparations at industrial sites
Product category	**Description**
PC 35	Washing and Cleaning Products (including solvent based products)
Process category	**Description**
PROC 2	Use in closed, continuous PROC ess with occasional controlled exposure
PROC 7	Industrial spraying
PROC 13	Treatment of articles by dipping and pouring
PROC 8b	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
PROC 10	Roller application or brushing
PROC 4	Use in batch and other PROC ess (synthesis) where opportunity for exposure arises
Environmental release category	**Description**
ERC 4	Industrial use of processing aids in processes and products, not becoming part of articles

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

DST-CHEMICALS A/S
Merkurvej 27B
6000 Kolding
Denmark
+45 7550 6360 (08.00 -16.00)
+45 7550 6319
www.dstchemicals.com

Contact person

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E-mail

info@dstchemicals.com

Revision

03/05/2023

SDS Version

3.0

Date of previous version

19/12/2022 (2.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s)

Not applicable

Signal word

Not applicable

Hazard statement(s)

Not applicable

Precautionary statements

General

-

Prevention

-

Response

-

Storage

-

Disposal

-

Hazardous substances

None known.

▼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.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

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
Tetrapotassium pyrophosphate	CAS No.: 7320-34-5 EC No.: 230-785-7 UK-REACH: Index No.:	5-10%	Eye Irrit. 2, H319	
Sodium Cumenesulfonate	CAS No.: 15763-76-5 EC No.: 239-854-6 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319	

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

Other information
-

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law
5% - 15%
· Non-ionic surfactants
· Phosphates
< 5%
· Anionic surfactants

SECTION 4: First aid measures

4.1. Description of first aid measures
General information
In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. 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
Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30 °C) and continue until irritation stops.
▼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
None known.
4.3. Indication of any immediate medical attention and special treatment needed
None known.
Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.
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:
Some metal oxides
5.3. Advice for firefighters
Fire fighters should wear appropriate personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
No specific requirements.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.

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

Storage temperature
0 - 35°C / 32 - 95°F

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
No substances are listed in the national list of substances with an occupational exposure limit.

▼DNEL

Sodium Cumenesulfonate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - Workers	Dermal	96 µg/cm²
Long term – Systemic effects - Workers	Dermal	136.25 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	26.9 mg/m³

Tetrapotassium pyrophosphate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Inhalation	2,79 mg/m3

▼PNEC

Sodium Cumenesulfonate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		230 µg/L
Freshwater sediment		862 µg/kg
Intermittent release (freshwater)		2.3 mg/L

Marine water	23 µg/L
Marine water sediment	86.2 µg/kg
Sewage treatment plant	100 mg/L
Soil	37 µg/kg

Tetrapotassium pyrophosphate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,05 mg/l
Intermittent release		0,5 mg/l
Marine water		0,005 mg/l
Sewage treatment plant		50 mg/l

8.2. ▼Exposure controls

Control is unnecessary if the product is used as intended.

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

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

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

▼Hygiene measures

Wash hands after use.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
No specific requirements			

Skin protection

Recommended	Type/Category	Standards
Dedicated work clothing should be worn	-	-

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Butyl rubber, natural rubber, nitrile rubber or fluorinated rubber	0,5	> 480	EN 374

Eye protection

Type	Standards
In the likelihood of direct or incidental exposure, use eye protection	EN166

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
Colourless

▼Odour / Odour threshold
Characteristic

pH
7,0

Density (g/cm³)
1.1

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

Particle characteristics
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)
Testing not relevant or not possible due to the nature of the product.

Softening point/range (waxes and pastes) (°C)
Does not apply to liquids.

Boiling point (°C)
Testing not relevant or not possible due to the nature of the product.

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 (°C)
Testing not relevant or not possible due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C)
Testing not relevant or not possible due to the nature of the product.

Flammability (°C)
Testing not relevant or not possible due to the nature of the product.

Auto-ignition temperature (°C)
Testing not relevant or not possible due to the nature of the product.

Lower and upper 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

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

Other physical and chemical parameters
No data available.

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 hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

▼Acute toxicity

Product/substance	Tetrapotassium pyrophosphate
Species:	Mouse
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Tetrapotassium pyrophosphate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>1,1 mg/L

Product/substance	Tetrapotassium pyrophosphate
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Potassium phosphate polyether ester (anionic surfactant)
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5000 mg/kg

Product/substance	Potassium phosphate polyether ester (anionic surfactant)
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>3000 mg/kg

Product/substance	Sodium Cumenesulfonate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	7200 mg/kgbw

Product/substance	Sodium Cumenesulfonate

Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	2000 mg/kgbw

Product/substance	Sodium Cumenesulfonate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	6,41 mg/L

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

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.

11.2. Information on other hazards

Long term effects
None known.

▼Endocrine disrupting properties
Not applicable

Other information
None known.

SECTION 12: Ecological information

12.1. ▼Toxicity

Product/substance	Fatty Alcohol alkoxylates
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	1-10 mg/L

Product/substance	Fatty Alcohol alkoxylates
Species:	Bacteria
Duration:	No data available.
Test:	EC50
Result:	>1000 mg/L

Product/substance	Tetrapotassium pyrophosphate
Species:	Fish
Duration:	96 hours
Test:	LC50

Result:	>100 mg/L

Product/substance	Tetrapotassium pyrophosphate
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	Tetrapotassium pyrophosphate
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	Potassium phosphate polyether ester (anionic surfactant)
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	3790 mg/L

Product/substance	Potassium phosphate polyether ester (anionic surfactant)
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	1812 mg/L

Product/substance	Sodium Cumenesulfonate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>1000 mg/L

Product/substance	Sodium Cumenesulfonate
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	>1000 mg/L

Product/substance	Sodium Cumenesulfonate
Species:	Algae
Duration:	96 hours
Test:	EC50
Result:	>230 mg/L

12.2. ▼Persistence and degradability

Product/substance	Fatty Alcohol alkoxylates
Biodegradable:	Yes
Test method:	OECD 301 B
Result:	75% (28 days)

Product/substance	Potassium phosphate polyether ester (anionic surfactant)
Biodegradable:	Yes
Test method:	OECD 301 F
Result:	>60%

Product/substance	Sodium Cumenesulfonate
Biodegradable:	Yes
Test method:	OECD 301 B
Result:	86-88%

12.3. ▼Bioaccumulative potential

Product/substance: Fatty Alcohol alkoxylates
Test method:
Potential bioaccumulation: No
LogPow: No data available.
BCF: No data available.
Other information:

Product/substance: Potassium phosphate polyether ester (anionic surfactant)
Test method:
Potential bioaccumulation: No
LogPow: No data available.
BCF: No data available.
Other information:

12.4. Mobility in soil

No data available.

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. ▼Endocrine disrupting properties

Not applicable

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

Waste treatment methods

Product is not covered by regulations on dangerous waste.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

20 01 30 Detergents other than those mentioned in 20 01 29

Specific labelling

Not applicable

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:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group
** Environmental hazards

Additional information

Not dangerous goods according to ADR, 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

Restrictions for application

Restricted to professional users.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

Not applicable

Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H319, Causes serious eye irritation.

The full text of identified uses as mentioned in section 1

LCS "IS" = Industrial uses: Uses of substances as such or in preparations at industrial sites
PROC 2 = Use in closed, continuous PROC ess with occasional controlled exposure
PROC 7 = Industrial spraying
PROC 13 = Treatment of articles by dipping and pouring
PROC 8b = Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
PROC 10 = Roller application or brushing
PROC 4 = Use in batch and other PROC ess (synthesis) where opportunity for exposure arises
PC 35 = Washing and Cleaning Products (including solvent based products)
ERC 4 = Industrial use of processing aids in processes and products, not becoming part of articles

Abbreviations and acronyms

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
CE = Conformité Européenne
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container

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)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
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

In accordance with UK-REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required by UK-REACH.

▼The safety data sheet is validated by

JLH

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: GB-en