



According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

SAFETY DATA SHEET

Comma DOT 5.1 Synthetic Brake Fluid

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: Comma DOT 5.1 Synthetic Brake Fluid

Unique formula identifier (UFI): SUC0-Q0WM-M000-PENP

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

Relevant identified uses of the substance or mixture: Brake Fluid

Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Company and address: **Moove Lubricants Ltd**
Dering Way
Gravesend
DA12 2QX Kent
England
+44 (0) 1474 564 311

Contact person: Moove Lubricants

E-mail: technical@uk.moovelub.com

Revision: 27/08/2025

SDS Version: 3.0

Date of previous version: 03/07/2025 (2.0)

1.4. ▼ Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 111 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.1. Classification of the substance or mixture

Repr. 2; H361fd, Suspected of damaging fertility. Suspected of damaging the unborn child.

2.2. Label elements

Hazard pictogram(s):



Signal word:

Warning

Hazard statement(s):

Suspected of damaging fertility. Suspected of damaging the unborn child. (H361fd)

Precautionary statement(s):

General:

Keep out of reach of children. (P102)

Prevention:

Wash hands and exposed skin thoroughly after handling. (P264)
Wear eye protection/face protection. (P280)

Response:

IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Storage:

Store locked up. (P405)

Disposal:

Dispose of contents/container in accordance with local regulation. (P501)

Hazardous substances:

Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate

Additional labelling:

UFI: SUC0-Q0WM-M000-PENP

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. 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) 2023/707.

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
Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate	CAS No.: 30989-05-0 EC No.: 250-418-4 UK-REACH: Index No.:	80-95%	Repr. 2, H361fd	
2-[2-(2-butoxyethoxy)ethoxy]ethanol;TEGBE;triethylene glycol monobutyl ether;butoxytriethylene glycol	CAS No.: 143-22-6 EC No.: 205-592-6 UK-REACH: Index No.: 603-183-00-0	10-15%	Eye Dam. 1, H318 (SCL: 30.00 %) Eye Irrit. 2, H319 (SCL: 20.00 %)	
3,6,9,12-tetraoxahexadecan-1-ol	CAS No.: 1559-34-8 EC No.: 216-322-1 UK-REACH: Index No.:	3-5%	Eye Irrit. 2, H319	
2-(2-butoxyethoxy)ethanol	CAS No.: 112-34-5 EC No.: 203-961-6 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319	[1], [3]

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

Other information

[1] European occupational exposure limit.

[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

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:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and



According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

	soap. Skin cleanser can be used. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
<i>Eye contact:</i>	If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.
<i>Ingestion:</i>	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.
<i>Burns:</i>	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

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: 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.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES



According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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.
Avoid contact during pregnancy and while nursing.
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

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 conditions: 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

2-(2-butoxyethoxy)ethanol
Long term exposure limit (8 hours) (ppm): 10

Long term exposure limit (8 hours) (mg/m³): 67,5
 Short term exposure limit (15 minutes) (ppm): 15
 Short term exposure limit (15 minutes) (mg/m³): 101,2

2-(2-methoxyethoxy)ethanol

Long term exposure limit (8 hours) (ppm): 10
 Long term exposure limit (8 hours) (mg/m³): 50,1

Annotations:

Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

2-(2-butoxyethoxy)ethanol

Duration:	Route of exposure:	DNEL:
Long term – Local effects - Workers	Inhalation	67.5 mg/m ³
Short term – Local effects - Workers	Inhalation	101.2 mg/m ³
Long term – Systemic effects - General population	Oral	6.25 mg/kg bw/day

2-(2-methoxyethoxy)ethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.33 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	2.22 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	30.1 mg/m ³
Long term – Systemic effects - Workers	Inhalation	50.1 mg/m ³
Long term – Systemic effects - General population	Oral	7.5 mg/kg bw/day

2-[2-(2-butoxyethoxy)ethoxy]ethanol;TEGBE;triethylene glycol monobutyl ether;butoxytriethylene glycol

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	2.823 mg/cm ²
Long term – Local effects - Workers	Dermal	5.65 mg/cm ²
Long term – Systemic effects - General population	Dermal	502.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	1005 mg/kg bw/day
Short term – Local effects - General population	Dermal	4.173 mg/cm ²
Short term – Local effects - Workers	Dermal	8.35 mg/cm ²
Short term – Systemic effects - General population	Dermal	200 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	400 mg/kg bw/day

Long term – Local effects - General population	Inhalation	15.252 mg/m ³
Long term – Local effects - Workers	Inhalation	30.5 mg/m ³
Long term – Systemic effects - General population	Inhalation	12 mg/m ³
Long term – Systemic effects - Workers	Inhalation	24 mg/m ³
Short term – Local effects - General population	Inhalation	48 mg/m ³
Short term – Local effects - Workers	Inhalation	96 mg/m ³
Short term – Systemic effects - General population	Inhalation	48 mg/m ³
Short term – Systemic effects - Workers	Inhalation	96 mg/m ³
Long term – Systemic effects - General population	Oral	12.5 mg/kg bw/day
Short term – Systemic effects - General population	Oral	103.4 mg/kg bw/day

3,6,9,12-tetraoxahexadecan-1-ol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Oral	3 mg/kg bw/day

Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	4.2 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	2.6 mg/m ³
Long term – Systemic effects - Workers	Inhalation	14.8 mg/m ³
Long term – Systemic effects - General population	Oral	1.5 mg/kg bw/day

PNEC

2-(2-butoxyethoxy)ethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		1.1 mg/L
Freshwater sediment		4.4 mg/kg
Intermittent release (freshwater)		11 mg/L
Marine water		110 µg/L
Marine water sediment		440 µg/kg
Predators		56 mg/kg
Soil		320 µg/kg

2-(2-methoxyethoxy)ethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		12 mg/L
Freshwater sediment		44.4 mg/kg
Intermittent release (freshwater)		12 mg/L

Marine water		1.2 mg/L
Marine water sediment		440 µg/kg
Predators		90 mg/kg
Sewage treatment plant		10 g/L
Soil		2.1 mg/kg

2-[2-(2-butoxyethoxy)ethoxy]ethanol;TEGBE;triethylene glycol monobutyl ether;butoxytriethylene glycol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		2-100 mg/L
Freshwater sediment		7.7-11.115 mg/kg
Intermittent release (freshwater)		8.4-22 mg/L
Marine water		200-142570 µg/L
Marine water sediment		770-1111.5 µg/kg
Predators		111-525.5 mg/kg
Sewage treatment plant		199.5-200 mg/L
Soil		470-11510 µg/kg

3,6,9,12-tetraoxahexadecan-1-ol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		2.5 mg/L
Freshwater sediment		9.49 mg/kg
Intermittent release (freshwater)		25 mg/L
Marine water		250 µg/L
Marine water sediment		950 µg/kg
Soil		460 µg/kg

Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		211.2 µg/L
Freshwater sediment		760 µg/kg
Intermittent release (freshwater)		2.112 mg/L
Marine water		21.12 µg/L
Marine water sediment		76 µg/kg
Sewage treatment plant		100 mg/L
Soil		28.3 µg/kg

8.2. Exposure controls

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

<i>General recommendations:</i>	Smoking, drinking and consumption of food is not allowed in the work area.
<i>Exposure scenarios:</i>	There are no exposure scenarios implemented for this product.
<i>Exposure limits:</i>	Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.
<i>Appropriate technical measures:</i>	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.
<i>Hygiene measures:</i>	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.
<i>Measures to avoid environmental exposure:</i>	Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

<i>Generally:</i>	No specific requirements.
<i>Respiratory Equipment:</i>	No specific requirements.
<i>Skin protection:</i>	No specific requirements.
<i>Hand protection:</i>	No specific requirements.
<i>Eye protection:</i>	No specific requirements.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<i>Physical state:</i>	Liquid
<i>Colour:</i>	Amber
<i>Odour / Odour threshold:</i>	Mild

<i>pH:</i>	7-10.5
<i>Density (g/cm³):</i>	1.02-1.07 (20 °C)
<i>Kinematic viscosity:</i>	5-10 centistokes (20 °C)
<i>Particle characteristics:</i>	Does not apply to liquids.

Phase changes

<i>Melting point/Freezing point (°C):</i>	-50
<i>Softening point/range (°C):</i>	Does not apply to liquids.
<i>Boiling point (°C):</i>	260
<i>Vapour pressure:</i>	1 millibar
<i>Relative vapour density:</i>	No data available.
<i>Decomposition temperature (°C):</i>	300

Data on fire and explosion hazards

<i>Flash point (°C):</i>	120
<i>Flammability (°C):</i>	No data available.
<i>Auto-ignition temperature (°C):</i>	280
<i>Lower and upper explosion limit (% v/v):</i>	No data available.

Solubility

<i>Solubility in water:</i>	Soluble
<i>n-octanol/water coefficient (LogKow):</i>	1.5
<i>Solubility in fat (g/L):</i>	No data available.

9.2. Other information

<i>Evaporation rate (n-butylacetate = 100):</i>	0.01
<i>Oxidizing properties:</i>	No data available.
<i>Other physical and chemical parameters:</i>	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



According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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

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

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	Comma DOT 5.1 Synthetic Brake Fluid
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5000 mg/kg

Product/substance	Comma DOT 5.1 Synthetic Brake Fluid
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	3000 mg/kg

Product/substance	Comma DOT 5.1 Synthetic Brake Fluid
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Other information:

Although acute toxicity of this product is low, if significant amounts are absorbed there is a risk of renal damage which could lead to kidney failure or even death. Other symptoms of overexposure include Central Nervous System effects, abdominal discomfort, metabolic acidosis and headache or nausea.

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

Skin corrosion/irritation

Product/substance	Comma DOT 5.1 Synthetic Brake Fluid
Result:	Repeated contact may de-fat the skin and cause dermatitis.

Product/substance	Comma DOT 5.1 Synthetic Brake Fluid
Result:	Repeated contact may de-fat the skin and cause dermatitis.

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



According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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

Suspected of damaging fertility. Suspected of damaging the unborn child.

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

Reproductive toxicity: This product contains teratogenic substances, which may produce anomalies and/or developmental defects to the human offspring. Adverse effects include: death, growth retardation, congenital disorders, delayed mental development, and functional disorders. This product contains reprotoxic substances, which may harm the reproductive capacity. Adverse effects include: sterility, effects on the sexual function, lowered effective fertility and dysfunctional menstrual cycle.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	Comma DOT 5.1 Synthetic Brake Fluid
Species:	Fish, <i>Oncorhynchus mykiss</i>
Duration:	96 hours
Test:	LC50
Result:	100 mg/L

Product/substance	Comma DOT 5.1 Synthetic Brake Fluid
Species:	Daphnia
Duration:	48 hours



According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Test:	EC50
Product/substance	Comma DOT 5.1 Synthetic Brake Fluid
Species:	Algae
Duration:	72 hours
Test:	EC50

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

12.2. Persistence and degradability

Product/substance	Comma DOT 5.1 Synthetic Brake Fluid
Conclusion:	Inherently biodegradable
Test:	OECD 302 B

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

HP 4 - Irritant (skin irritation and eye damage)

HP 10 - Toxic for reproduction

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

16 01 13* Brake fluids

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 informat ion:
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:

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education:

No specific requirements.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:

Not applicable.

UK-REACH, Annex XVII:

2-(2-butoxyethoxy)ethanol is subject to restrictions, UK-REACH annex XVII (entry 55).
2-(2-methoxyethoxy)ethanol is subject to restrictions, UK-REACH annex XVII (entry 54).

Additional information:

Tactile warning.

Sources:

The Health and Safety at Work etc. Act 1974 Regulations 2013.
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

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H361fd, Suspected of damaging fertility. Suspected of damaging the unborn child.

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 (European conformity)

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

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

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



According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The safety data sheet is validated by

NS

Other

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