SAFETY DATA SHEET

MF SealFlow Komp B

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

1.1. Product identifier

Trade name

MF SealFlow Komp B

Unique formula identifier (UFI)

2W99-A0EE-N008-RFH5

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

Relevant identified uses of the substance or mixture

Surcharge for construction and industry

Uses advised against

No special

1.3. Details of the supplier of the safety data sheet

Company and address

MURFACE GmbH
Birkenweg 8
D-33129 Delbrück
Germany
Tel. +49 52 50 - 4 19 93 00

E-mail

mail@murface.de

Revision

21-02-2022

SDS Version

1.0

Date of previous version

2022-02-21 (1.0)

1.4. Emergency telephone number

Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acute Tox. 4; H302, Harmful if swallowed.
Skin Corr. 1A; H314, Causes severe skin burns and eye damage.
Skin Sens. 1; H317, May cause an allergic skin reaction.
Eye Dam. 1; H318, Causes serious eye damage.
Aquatic Chronic 1; H410, Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s)

Signal word

Danger

Hazard statement(s)

Harmful if swallowed. (H302)
Causes severe skin burns and eye damage. (H314)
May cause an allergic skin reaction. (H317)
Very toxic to aquatic life with long lasting effects. (H410)

Safety statement(s)

General

-

Prevention

Do not breathe vapour/mist. (P260)
Wear eye protection/protective gloves/protective clothing. (P280)
Contaminated work clothing should not be allowed out of the workplace. (P272)

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . (P303+P361+P353)
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

-

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

Hazardous substances

Phenol, styrenated
2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine
amines, coco alkyl
2,4,6-tris(dimethylaminomethyl)phenol
Propylidynetrimethanol, propoxylated, reaction products with ammonia
1,3-Benzoldimethanamin, m-xylylendiamin
3-aminomethyl-3,5,5-trimethylcyclohexylamine

2.3. Other hazards

Additional labelling

Not applicable

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

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Phenol, styrenated	CAS No.: 61788-44-1 EC No.: 262-975-0 REACH: 01-2119980970-27 Index No.:	≥35 - <40%	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411	
2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine	CAS No.: 25513-64-8 EC No.: 247-063-2 REACH: Index No.:	≥25 - <30%	Acute Tox. 4, H302 Skin Sens. 1A, H317 Eye Dam. 1, H318 Skin Corr. 1A, H314	

amines, coco alkyl	CAS No.: 61788-46-3 EC No.: 262-977-1 REACH: Index No.: 612-285-00-4	≥5 - <10%	Acute Tox. 4, H302 Asp. Tox. 1, H304 Skin Corr. 1B, H314 STOT RE 2, H373 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=10) STOT SE 3, H335
2,4,6-tris(dimethylaminomethyl)phenol	CAS No.: 90-72-2 EC No.: 202-013-9 REACH: Index No.: 603-069-00-0	≥1 - <10%	Acute Tox. 4, H302 Skin Corr. 1C, H314 Skin Sens. 1B, H317 Eye Dam. 1, H318
4-methylbenzenesulfonic acid;hydrate	CAS No.: 6192-52-5 EC No.: 612-715-0 REACH: Index No.:	≥1 - <10%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Propylidynetrimethanol, propoxylated, reaction products with ammonia	CAS No.: 39423-51-3 EC No.: 500-105-6 REACH: Index No.:	≥1 - <10%	Acute Tox. 4, H302 Acute Tox. 4, H312 Eye Dam. 1, H318 Aquatic Chronic 2, H411
1,3-Benzoldimethanamin, m-xylylendiamin	CAS No.: 1477-55-0 EC No.: REACH: 01-2119480150-50 Index No.:	≥1 - <10%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Sens. 1, H317 Eye Dam. 1, H318 Acute Tox. 4, H332 Aquatic Chronic 3, H412 EUH071 Skin Corr. 1, H314
3-aminomethyl-3,5,5-trimethylcyclohexylamine	CAS No.: 2855-13-2 EC No.: 220-666-8 REACH: 01-2119514687-32 Index No.: 612-067-00-9	1-3%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Skin Sens. 1, H317 Eye Dam. 1, H318 Aquatic Chronic 3, H412

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

Other information

No special

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 soap. Skin cleanser can be used. DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.
Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.
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 exposed or concerned:
Get immediate medical advice/attention.
If skin irritation or rash occurs: Get 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.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Nitrogen oxides (NO_x)
Carbon oxides (CO / CO2).

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

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 on “Disposal considerations” in regard of handling of waste.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

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

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

Recommended storage material

Keep only in original packaging.

Storage temperature

Room temperature 18 to 23°C

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

No data available

PNEC

Product/substance	Polioxipropilendiamina
PNEC	0,015 mg/L
Route of exposure	Freshwater
Duration of Exposure	

Product/substance	Polioxipropilendiamina
PNEC	0,0142 mg/L
Route of exposure	Marine water
Duration of Exposure	

Product/substance	3-aminomethyl-3,5,5-trimethylcyclohexylamine
PNEC	0,06 mg/L

Route of exposure	Freshwater
Duration of Exposure	

Product/substance	3-aminomethyl-3,5,5-trimethylcyclohexylamine
PNEC	0,006 mg/L
Route of exposure	Marine water
Duration of Exposure	

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

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

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
Respiratory protection is not needed in the event of adequate ventilation			

Skin protection

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

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0.4	> 240	EN374-2, EN374-3, EN388	

Eye protection

Type	Standards	
Safety glasses with side shields.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
Yellow

Odour / Odour threshold
Characteristic

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

Density (g/cm³)
0.98 (23 °C)

Kinematic viscosity
260 mPa.s (23 °C)

Particle characteristics
Does not apply to liquids.

Phase changes

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

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

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

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

Data on fire and explosion hazards

Flash point (°C)
107

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

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

Lower and upper explosion limit (% v/v)
Testing not relevant or not possible due to nature of the product.

Solubility

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

n-octanol/water coefficient
Testing not relevant or not possible due to nature of the product.

Solubility in fat (g/L)
Testing not relevant or not possible due to nature of the product.

9.2. Other information

VOC (g/L)

500

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

No special

10.4. Conditions to avoid

No special

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

Acute toxicity

Product/substance	Phenol, styrenated
Test method	OECD 423
Species	Rat
Route of exposure	Oral
Test	LD50
Result	> 2000 mg/kg
Other information	

Product/substance	Phenol, styrenated
Test method	OECD 402
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	> 2000 mg/kg
Other information	

Product/substance	Polioxipropilendiamina
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	2885 mg/kg
Other information	

Product/substance	Polioxipropilendiamina
Test method	
Species	Rabbit

Route of exposure	Dermal
Test	LD50
Result	2980 mg/kg
Other information	

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	930 mg/kg
Other information	

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	3100 mg/kg
Other information	

Product/substance	3-aminomethyl-3,5,5-trimethylcyclohexylamine
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	1030 mg/kg
Other information	

Product/substance	3-aminomethyl-3,5,5-trimethylcyclohexylamine
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	1840 mg/kg
Other information	

Harmful if swallowed.

Skin corrosion/irritation

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	
Species	Rat
Duration	3 hours
Result	Adverse effect observed (Corrosive)
Other information	

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	

Species	
Duration	
Result	Adverse effect observed (Causes serious eye damage)
Other information	

Causes serious eye damage.

Respiratory sensitisation

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	OECD 429
Species	Mouse
Result	Adverse effect observed (sensitising)
Other information	

Skin sensitisation

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	OECD 429
Species	Mouse
Result	Adverse effect observed (sensitising)
Other information	

Germ cell mutagenicity

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	OECD 471
Species	
Conclusion	No adverse effect observed
Other information	

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	OECD 473
Species	Chinese Hamster lung V79
Conclusion	No adverse effect observed
Other information	

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	OECD 476
Species	Mouse, Mammalian peripheral blood lymphocytes
Conclusion	No adverse effect observed
Other information	

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	OECD 474
Species	Mouse
Conclusion	No adverse effect observed
Other information	

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

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	
Species	
Route of exposure	Inhalation
Target organ	Lung
Duration	
Test	
Result	
Conclusion	Adverse effect observed
Other information	

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

Endocrine disrupting properties

No special

Other information

No special

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	Phenol, styrenated
Test method	OECD 203
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	14,8 mg/L
Other information	

Product/substance	Phenol, styrenated
Test method	OECD 201
Species	Algae
Compartment	
Duration	72 hours
Test	ErC50
Result	3,14 mg/L
Other information	

Product/substance	Phenol, styrenated
Test method	OECD 211
Species	Crustacean, Daphnia magna
Compartment	
Duration	21 days

Test	EC50
Result	0,115 mg/L
Other information	

Product/substance	Polioxipropilendiamina
Test method	
Species	Fish, Oncorhynchus mykiss
Compartment	
Duration	96 hours
Test	LC50
Result	> 15 mg/L
Other information	

Product/substance	Polioxipropilendiamina
Test method	
Species	Algae, Pseudokirchneriella subcapitata
Compartment	
Duration	72 hours
Test	ErC50
Result	15 mg/L
Other information	

Product/substance	Polioxipropilendiamina
Test method	
Species	Crustacean, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	80 mg/L
Other information	

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	OECD 203
Species	Fish, Oryzias latipes
Compartment	
Duration	96 hours
Test	LC50
Result	87,6 mg/L
Other information	

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	OECD 202
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	15,2 mg/L
Other information	

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	

Species	Algae, Pseudokirchneriella subcapitata
Compartment	
Duration	72 hours
Test	ErC50
Result	33,3 mg/L
Other information	

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Product/substance	Phenol, styrenated
Test method	
Potential bioaccumulation	No data available
LogPow	No data available
BCF	69-190
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

Product/substance	1,3-Benzoldimethanamin, m-xylylendiamin
Test method	OECD 209
Species	Bacteria
Duration	No data available.
Test	EC50
Result	1000 mg/L
Conclusion	
Other information	

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 6 - Acute toxicity

HP 8 – Corrosive

HP 13 – Sensitising

HP 14 – Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

08 01 11*	Waste paint and varnish containing organic solvents or other dangerous substances
15 01 10*	Packaging containing residues of or contaminated by dangerous substances

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. - 14.4.

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

UN- or ID number	UN proper shipping name	Labels	Packing group	Tunnel restriction code
UN2735	AMINES, LIQUID, CORROSIVE, N.O.S.	8	II	2(E)

IMDG

UN- or ID number	UN proper shipping name	Labels	Packing group	EmS
UN2735	AMINES, LIQUID, CORROSIVE, N.O.S.	8	II	F-A, S-B

MARINE POLLUTANT

Yes

IATA

UN- or ID number	UN proper shipping name	Labels	Packing group
UN2735	AMINES, LIQUID, CORROSIVE, N.O.S.	8	II

14.5. Environmental hazards

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

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.

People under the age of 18 shall not be exposed to this product.

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

Additional information

Not applicable

Sources

The Management of Health and Safety at Work Regulations 1999

Control of Major Accident Hazards (COMAH) Regulations 2015.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

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

EC-Regulation 1907/2006 (REACH), as amended by UK REACH Regulations SI 2019/758

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

EUH071, Corrosive to the respiratory tract.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H312, Harmful in contact with skin.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H373, May cause damage to organs through prolonged or repeated exposure.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H411, Toxic to aquatic life with long lasting effects.
H412, Harmful to aquatic life with long lasting effects.

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
UVCB = Complex hydrocarbon substance
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)
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

▼The safety data sheet is validated by

Murface

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