

according to Regulation (EC) No 1907/2006

TIP TOP ADHESIVE SH-3A SOLUTION

Revision date: 19.07.2023

Product code: 00359-1235

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

1.1. Product identifier

TIP TOP ADHESIVE SH-3A SOLUTION

Art.-No.

525 0123, 538 1401, 538 1410, 538 1430, 538 1511

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

Use of the substance/mixture

Adhesive

1.3. Details of the supplier of the safety data sheet

Company name:	TIP TOP Oberflaechenschutz Elbe GmbH	
Street:	Heuweg 4	
Place:	D-06886 Wittenberg	
Telephone:	+49(0)3491/635-50	Telefax: +49(0)3491/635-552
Responsible Department:	Responsible for the safety data sheet: sds@gl	bk-ingelheim.de
1.4. Emergency telephone_ number:	INTERNATIONAL: +49 - (0) 6132 - 84463, GE Public Poisons Information Line: +353 (0) 1 80 week)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Naphtha (petroleum) (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cycloalkanes)

Signal word: Danger

Pictograms:



Hazard statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

obuditionaly otationion	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapour.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.



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P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P273	Avoid release to the environment.

Special labelling of certain mixtures

EUH208

Contains Di(benzothiazol-2-yl) disulphide, Hydroxylamine. May produce an allergic reaction.

2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

Vapours may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Preparation solved in petroleum spirit

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64742-49-0	Naphtha (petroleum) (Hydrocarbo	ns, C7-C9, n-alkanes, isoa	alkanes, cycloalkanes)	< 65 %
	920-750-0		01-2119473851-33	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE H411	3, Asp. Tox. 1, Aquatic C	Chronic 2; H225 H315 H336 H304	
1314-13-2	Zinc oxide			< 20 %
	215-222-5	030-013-00-7	01-2119463881-32	
	Aquatic Acute 1, Aquatic Chronic	1; H400 H410	-	
7704-34-9	Sulphur	< 5 %		
	231-722-6	016-094-00-1	01-2119520616-43	
	Skin Irrit. 2; H315			
120-78-5	Di(benzothiazol-2-yl) disulphide		< 1 %	
	204-424-9	613-135-00-0	01-2119489366-24	
	Skin Sens. 1, Aquatic Acute 1, Aq			
7803-49-8	Hydroxylamine			< 1 %
	232-259-2	612-122-01-4		
	Met. Corr. 1, Carc. 2, Acute Tox. 4 SE 3, STOT RE 2, Aquatic Acute			
1317-36-8	Lead(II)-oxide			< 0,1 %
	215-267-0		01-2119531110-62	
	Carc. 2, Repr. 1A, Lact., Acute To Chronic 1; H351 H360Df H362 H3			

Full text of H and EUH statements: see section 16.



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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. L	Specific Conc. Limits, M-factors and ATE		
64742-49-0	920-750-0	Naphtha (petroleum) (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cycloalkanes)	< 65 %	
	inhalation: LC5 mg/kg	0 = > 20 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000		
1314-13-2	215-222-5	Zinc oxide	< 20 %	
	Aquatic Acute 1 Aquatic Chronic			
7704-34-9	231-722-6	Sulphur	< 5 %	
	oral: LD50 = >	5000 mg/kg		
120-78-5	204-424-9	Di(benzothiazol-2-yl) disulphide	< 1 %	
		Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1		
7803-49-8	232-259-2	Hydroxylamine	< 1 %	
	dermal: ATE =	1100 mg/kg; oral: ATE = 500 mg/kg		
1317-36-8	215-267-0	Lead(II)-oxide	< 0,1 %	
	mg/kg Aquatic	= 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: ATE = 500 Acute 1; H400: M=1 ; 1; H410: M=10		

Further Information

According to note P to the directive 67/548/EEC, "Naphta (petroleum)" is not to be classified as "carcinogenic" ingredient because a benzene content (EINECS No. 200-753-7) is below 0.1 % by weight.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately. In the event of persistent symptoms receive medical treatment. Take away from danger area and lay down affected person.

After inhalation

Move to fresh air in case of accidental inhalation of vapours. Seek medical treatment immediately.

After contact with skin

Wash off with soap and plenty of water. Treat subsequently with skin cream. Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Summon a doctor immediately.

After ingestion

Do not induce vomiting. Summon a doctor immediately. Induce vomiting only upon the advice of a physician.

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

Causes skin irritation. May cause drowsiness or dizziness. Attention. Beware, danger of aspiration. May cause sensitization of susceptible persons by skin contact.

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

Treat symptoms.



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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, dry chemical, carbon dioxide (CO2), water-spray.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Fire may produce:

Carbon monoxide, carbon dioxide and sulphur oxides.

5.3. Advice for firefighters

Use breathing apparatus with independent air supply. Protective suit.

Additional information

The vapour/air mixture is explosive, even in empty, uncleaned receptacles. Cool containers at risk with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Use only explosion-proof equipment. The vapour/air mixture is explosive, even in empty, uncleaned receptacles. Vapours are heavier than air and spread along ground. Remove persons to safety.

For non-emergency personnel

Do not breathe vapours.

Avoid contact with skin, eyes and clothing.

For emergency responders

In case of vapour formation use respirator.

Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

For containment

Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Shovel into suitable container for disposal.

6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8). Informations for disposal look up chapter 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Vapours are heavier than air and spread along ground. Use only in thoroughly ventilated areas.



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Advice on protection against fire and explosion

Keep away from heat and sources of ignition. Do not smoke.

Take precautionary measures against static discharges. Use only explosion-proof equipment.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place. Pay attention to anti-explosion rules.

Hints on joint storage

Incompatible with oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

Adhesive

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm ³	Category	Origin
1317-65-3	Marble, respirable dust	-	4		TWA (8 h)	
9006-04-6	Natural Rubber Latex (as inhalable allergenic proteins)	-	0.0001		TWA (8 h)	
1314-13-2	Zinc oxide, fume (Respirable Fraction)	-	2		TWA (8 h)	
		-	10		STEL (15 min)	

DNEL/DMEL values

CAS No	Substance					
DNEL type		Exposure route	Effect	Value		
1317-65-3	Calcium carbonate	Calcium carbonate				
Worker DNEL,	Norker DNEL, long-term inhalation systemic 10 mg/m³					
Consumer DNEL, long-term inhalation systemic 10 mg/m ³			10 mg/m ³			
Consumer DNEL, acute		dermal	systemic	6,1 mg/kg bw/day		
Consumer DNEL, long-term		dermal	systemic	6,1 mg/kg bw/day		

PNEC values

CAS No	Substance			
Environmental	Environmental compartment Value			
1317-65-3 Calcium carbonate				
Micro-organisms in sewage treatment plants (STP) 100 mg/l				

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not inhale vapours.

Wash hands before breaks and immediately after handling the product.



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When using do not eat, drink or smoke.

Treat subsequently with skin cream.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

Eye/face protection

Tightly fitting goggles (EN 166).

Hand protection

Protective gloves resistant to chemicals made off nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril Velours 730> made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Skin protection

Solvent-resistant apron (EN 467).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Pink
Odour:	Hydrocarbon-like
	Test method
pH-Value:	n.d.
Changes in the physical state	
Melting point/freezing point:	< - 50 °C *)
Boiling point or initial boiling point ar	nd 60 - 100 °C *)
boiling range:	
Sublimation point:	n.a.
Softening point:	n.d.
Flash point:	< 0 °C *)
Sustaining combustion:	Sustaining combustion
Flammability Solid/liquid:	n.a.
Explosive properties The product is considered non-e	xplosive; nethertheless explosive vapour/air mixture can be generated.
Lower explosion limits:	1,0 vol. % *)
Upper explosion limits:	7,4 vol. % *)
Auto-ignition temperature:	260 °C *)
Self-ignition temperature	
Solid:	n.a.
Gas:	n.a.
Decomposition temperature:	n.d.
Oxidizing properties Not oxidising.	



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Vapour pressure: (at 20 °C)	24 hPa	*)			
Density (at 20 °C):	0,81 g/cm³				
Bulk density:	n.a.				
Water solubility: (at 20 °C)	Immiscible				
Solubility in other solvents n.d.					
Partition coefficient n-octanol/water:	n.d.				
Viscosity / dynamic:	n.d.				
Viscosity / kinematic: (at 40 °C)	> 20,5 mm²/s				
Flow time: (at 23 °C)	> 30 sec	3 DIN/ISO 2431			
Relative vapour density:	n.d.				
Evaporation rate:	n.d.				
Solvent separation test:	n.d.				
Solvent content:	< 80 %				
9.2. Other information					
*) Naphtha (petroleum)					

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactions with oxidising agents.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat. Vapour/air mixtures are explosive at intensive warming. Heating can release vapours which can be ignited.

10.5. Incompatible materials

Oxidizing agents

10.6. Hazardous decomposition products

No hazardous decomposition products known. Fire may produce: Carbon monoxide, carbon dioxide, sulphur oxides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity



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Based on available data, the classification criteria are not met. No toxical dates available. Naphtha (petroleum) LD50/oral/rat: > 5000 mg/kg LD50/dermal/rabbit: > 2000 mg/kg LC50/inhalativ/rat: > 20 mg/l

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 700,0 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Irritation and corrosivity

Causes skin irritation.

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

Sensitising effects

Contains Di(benzothiazol-2-yl) disulphide, Hydroxylamine. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

May cause drowsiness or dizziness. (Naphtha (petroleum) (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cycloalkanes))

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.

Additional information on tests

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

11.2. Information on other hazards

Endocrine disrupting properties

No data available

Other information

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Contact with eyes may cause irritation.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

May cause sensitization of susceptible persons by skin contact.

SECTION 12: Ecological information

12.1. Toxicity

Ecological dates are not available. Naphtha (petroleum) LC50/Fish = 1 - 10 mg/l EC50/Daphnia = 1 - 10 mg/l NOEC/Fish = 0,1 - 1 mg/l Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available



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12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

Slightly water hazardous.

Further information

Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Can be incinerated, when in compliance with local regulations. Where possible recycling is preferred to disposal.

List of Wastes Code - residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

Land transport (ADR/RID)

14.2. UN proper shipping name:Adhesives14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3ValueHazard label:3Classification code:F1Limited quantity:5 L / 30 kgExcepted quantity:E2Transport category:2Hazard No:33Tunnel restriction code:D/EInland waterways transport (ADN)14.1. UN number:14.3. Transport hazard class(es):314.4. Packing group:II	<u>14.1. UN number:</u>	UN 1133
14.4. Packing group:IIHazard label:3Classification code:F1Limited quantity:5 L / 30 kgExcepted quantity:E2Transport category:2Hazard No:33Tunnel restriction code:D/EInland waterways transport (ADN)UN 113314.1. UN number:UN 113314.2. UN proper shipping name:Adhesives14.3. Transport hazard class(es):3	14.2. UN proper shipping name:	Adhesives
Hazard label:3Hazard label:3Classification code:F1Limited quantity:5 L / 30 kgExcepted quantity:E2Transport category:2Hazard No:33Tunnel restriction code:D/EInland waterways transport (ADN)UN 113314.1. UN number:UN 113314.2. UN proper shipping name:Adhesives14.3. Transport hazard class(es):3	14.3. Transport hazard class(es):	3
Classification code: F1 Limited quantity: 5 L / 30 kg Excepted quantity: E2 Transport category: 2 Hazard No: 33 Tunnel restriction code: D/E Inland waterways transport (ADN) UN 1133 14.1. UN number: UN 1133 14.2. UN proper shipping name: Adhesives 14.3. Transport hazard class(es): 3	14.4. Packing group:	П
Limited quantity:5 L / 30 kgExcepted quantity:E2Transport category:2Hazard No:33Tunnel restriction code:D/EInland waterways transport (ADN)UN 113314.1. UN number:UN 113314.2. UN proper shipping name:Adhesives14.3. Transport hazard class(es):3	Hazard label:	3
Limited quantity:5 L / 30 kgExcepted quantity:E2Transport category:2Hazard No:33Tunnel restriction code:D/EInland waterways transport (ADN)UN 113314.1. UN number:UN 113314.2. UN proper shipping name:Adhesives14.3. Transport hazard class(es):3		
Excepted quantity:E2Transport category:2Hazard No:33Tunnel restriction code:D/EInland waterways transport (ADN)UN 113314.1. UN number:UN 113314.2. UN proper shipping name:Adhesives14.3. Transport hazard class(es):3	Classification code:	F1
Transport category:2Hazard No:33Tunnel restriction code:D/EInland waterways transport (ADN)UN 113314.1. UN number:UN 113314.2. UN proper shipping name:Adhesives14.3. Transport hazard class(es):3	Limited quantity:	5 L / 30 kg
Hazard No:33Tunnel restriction code:D/EInland waterways transport (ADN)UN 113314.1. UN number:UN 113314.2. UN proper shipping name:Adhesives14.3. Transport hazard class(es):3	Excepted quantity:	E2
Tunnel restriction code:D/EInland waterways transport (ADN)UN 113314.1. UN number:UN 113314.2. UN proper shipping name:Adhesives14.3. Transport hazard class(es):3	Transport category:	2
Inland waterways transport (ADN)14.1. UN number:UN 113314.2. UN proper shipping name:Adhesives14.3. Transport hazard class(es):3	Hazard No:	33
14.1. UN number:UN 113314.2. UN proper shipping name:Adhesives14.3. Transport hazard class(es):3	Tunnel restriction code:	D/E
14.2. UN proper shipping name:Adhesives14.3. Transport hazard class(es):3	Inland waterways transport (ADN)	
14.3. Transport hazard class(es): 3	<u>14.1. UN number:</u>	UN 1133
	14.2. UN proper shipping name:	Adhesives
14.4. Packing group:	14.3. Transport hazard class(es):	3
	14.4. Packing group:	II



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Hazard label:	3			
Classification code: Limited quantity: Excepted quantity:	F1 5 L / 30 kg E2			
Marine transport (IMDG)				
<u>14.1. UN number:</u>	UN 1133			
14.2. UN proper shipping name:	Adhesives (Naphtha	(petroleum), zinc oxide)		
14.3. Transport hazard class(es):	3			
14.4. Packing group:	II			
Hazard label:	3			
Marine pollutant: Limited quantity: Excepted quantity: EmS:	Yes 5 L / 30 kg E2 F-E, S-D			
Air transport (ICAO-TI/IATA-DGR)				
<u>14.1. UN number:</u>	UN 1133			
14.2. UN proper shipping name:	Adhesives			
14.3. Transport hazard class(es):	3			
14.4. Packing group:	II			
Hazard label:	3			
Limited quantity Passenger:	1 L			
Passenger LQ:	Y341			
Excepted quantity:	E2			
IATA-packing instructions - Passenger:		353		
IATA-max. quantity - Passenger: IATA-packing instructions - Cargo:		5 L 364		
IATA-max. quantity - Cargo:		60 L		
14.5. Environmental hazards				
ENVIRONMENTALLY HAZARDOUS:	Yes		¥	

14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

14.7. Maritime transport in bulk according to IMO instruments

The transport takes place only in approved and appropriate packaging.

SECTION 15: Regulatory information



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

EU regulatory information Authorisations (REACH, annex XIV): Substances of very high concern, SVHC (REACH, article 59): Lead(II)-oxide

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 63, Entry 75

2004/42/EC (VOC):	
Information according to 2012/18/EU	
(SEVESO III):	

National regulatory information

< 80 % P5c FLAMMABLE LIQUIDS

1 - slightly hazardous to water

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

Employment restrictions:

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

- RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
- ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
- IMDG = International Maritime Code for Dangerous Goods
- IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

- EN = European norm
- ISO = International Organization for Standardization
- DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

- LD = Lethal dose
- LC = Lethal concentration
- EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Skin Irrit. 2; H315	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 2; H411	Calculation method



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Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H362	May cause harm to breast-fed children.
H372	Causes damage to organs through prolonged or repeated exposure.
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.
EUH031	Contact with acids liberates toxic gas.
EUH208	Contains Di(benzothiazol-2-yl) disulphide, Hydroxylamine. May produce an allergic reaction.

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)