

Octocure SMBT-50

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

1.1 Product identifier

Trade name

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

Relevant identified uses of the substance or mixture

Industrial raw material
corrosion inhibitor
Intermediate

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Tiarco Chemical Europe GmbH
Am Gut Baarking 12
46395 Bocholt

Telephone no. +49 2871 23476-0
Fax no. +49 2871 23476-44
e-mail europeansales@trcc.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Acute 1; H400
Aquatic Chronic 1; H410
Eye Dam. 1; H318
Met. Corr. 1; H290
Skin Corr. 1B; H314
Skin Sens. 1; H317

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS05



GHS07



GHS09

Signal word

Danger

Hazardous component(s) to be indicated on label:

sodium benzothiazol-2-yl sulfide

Hazard statement(s)

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H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P260 Do not breathe mist/vapours/spray.
P264 Wash thoroughly after handling.
P273 Avoid release to the environment.
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].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

2.3 Other hazards

PBT assessment
The components of this product are not considered to be a PBT.
vPvB assessment
The components of this product are not considered to be a vPvB.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Chemical characterization**

Aqueous dispersion

Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	sodium benzothiazol-2-yl sulfide		
	2492-26-4 219-660-8 - 01-2119493018-35	Skin Corr. 1B; H314 Skin Sens. 1; H317 Met. Corr. 1; H290 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 50.00 - < 70.00 wt%
2	sodium hydroxide		
	1310-73-2 215-185-5 011-002-00-6 01-2119457892-27	Skin Corr. 1A; H314 Eye Dam. 1; H318 Met. Corr. 1; H290	< 2.50 wt%
3	benzothiazole		
	95-16-9 202-396-2 - 01-2119457568-24	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 4; H332 Eye Irrit. 2; H319	< 2.50 wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	Skin Irrit. 2; H315: C >= 0.5% Eye Irrit. 2; H319: C >= 0.5% Skin Corr. 1B; H314: C >= 2% Skin Corr. 1A; H314: C >= 5%	-	-

Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative
3	177 mg/kg bodyweight	933 mg/kg bodyweight	

SECTION 4: First aid measures**4.1 Description of first aid measures**

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General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. Remove affected person from danger area, lay him down. In any case show the physician the Safety Data Sheet.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

After skin contact

In case of contact with skin wash off immediately with soap and water. Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds. Remove contaminated clothing.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Allergic symptoms; burns

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Sulphur oxides (SxO_y); Nitrogen oxides (NO_x); Metal oxides

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit. Run-off water from fire fighting must not be discharged into drains or enter surface water. 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

For non-emergency personnel

Use personal protective clothing. Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g., sand, kieselguhr, acid binder, universal binder, sawdust). Pump off large amounts. When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding safe handling, see section 7.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used !

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Provide eye wash fountain in work area. Have emergency shower available. Wash hands before breaks and after work.

Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention. Electrical equipment should be protected to the appropriate standard.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry. Keep container tightly closed. Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

Recommended storage temperature

Value 5 - 35 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage.

Incompatible products

Do not store together with: Acids; Aluminium; Zinc

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	sodium benzothiazol-2-yl sulfide			2492-26-4 219-660-8	
	dermal	Long term (chronic)	systemic	2.8	mg/kg/day
	dermal	Short term (acute)	systemic	2.8	mg/kg/day
	inhalative	Long term (chronic)	systemic	10	mg/m ³
	inhalative	Short term (acute)	systemic	10	mg/m ³
	inhalative	Long term (chronic)	local	1	mg/m ³
	inhalative	Short term (acute)	local	1	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	sodium benzothiazol-2-yl sulfide			2492-26-4 219-660-8	
	oral	Long term (chronic)	systemic	1.5	mg/kg/day
	oral	Short term (acute)	systemic	1.5	mg/kg/day
	dermal	Long term (chronic)	systemic	1.5	mg/kg/day
	dermal	Short term (acute)	systemic	1.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	2.5	mg/m ³
	inhalative	Short term (acute)	systemic	2.5	mg/m ³
	inhalative	Long term (chronic)	local	1	mg/m ³
	inhalative	Short term (acute)	local	1	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	sodium benzothiazol-2-yl sulfide		2492-26-4 219-660-8	

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water	fresh water	0.004	mg/L
water	Aqua intermittent	0.005	mg/L
water	marine water	0	mg/L
water	fresh water sediment	0.147	mg/kg dry weight
water	marine water sediment	0.015	mg/kg dry weight
soil	-	0.027	mg/kg dry weight
sewage treatment plant	-	0.3	mg/L

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respirator ABEK

Eye / face protection

Safety glasses with side protection shield (EN 166); In case of processing difficulties wear face shield and protective suit.

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material polyvinyl chloride (PVC), nitrile butadiene rubber (NBR), polychloroprene (CR)
Breakthrough time < 60 min

Other

Normal chemical work clothing.

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
liquid	
Form	
Liquid	
Colour	
yellow to brown	
Odour	
characteristic	
pH value	
No data available	
Boiling point / boiling range	
Value	107 °C
Reference pressure	1013 hPa
Source	supplier
Melting point/freezing point	
Value	-14 °C
Source	supplier

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Decomposition temperature			
No data available			
Flash point			
Value	>	108	°C
Source	supplier		
Ignition temperature			
Value		475	°C
Source	supplier		
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
Value		23	hPa
Reference temperature		20	°C
Source	supplier		
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value		1.26	g/cm³
Reference temperature		20	°C
Source	supplier		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	benzothiazole	95-16-9	202-396-2
log Pow			2.01
Source	ECHA		
Kinematic viscosity			
Value		27	mPa*s
Type	dynamic		
Source	supplier		
Corrosive to metals			
corrosive to metals			
Particle characteristics			
No data available			

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use. Forms hydrogen when reacting with ignoble metals.

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10.4 Conditions to avoid

Heat; Keep from freezing. Protect from sun. Exothermal reactions are possible in the event of contact with incompatible substances.

10.5 Incompatible materials

Acids; Aluminium; Zinc

10.6 Hazardous decomposition products

None if stored, handled and transported properly. Hydrogen; In case of fire: see section 5.

SECTION 11: Toxicological information

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

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Octocure SMBT-50
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	sodium benzothiazol-2-yl sulfide	2492-26-4	219-660-8
LD50	~	2100	mg/kg bodyweight
Species	rat		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	benzothiazole	95-16-9	202-396-2
LD50	177 - 178		mg/kg bodyweight
Species	rat (female)		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		

Acute dermal toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Octocure SMBT-50
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	sodium benzothiazol-2-yl sulfide	2492-26-4	219-660-8
LD50	>	7940	mg/kg bodyweight
Species	rabbit		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	benzothiazole	95-16-9	202-396-2
LD50	933 - 1231		mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	benzothiazole	95-16-9	202-396-2
LC50	appr.	5	mg/l
Duration of exposure		4	h
State of aggregation	mist		
Species	rat		
Method	OECD 403		

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Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are met.

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	sodium benzothiazol-2-yl sulfide	2492-26-4	219-660-8
Species		rabbit	
Source		ECHA	
Evaluation		corrosive	
Evaluation/classification		Based on available data, the classification criteria are met.	
2	benzothiazole	95-16-9	202-396-2
Species		rabbit	
Method		OECD 404	
Source		ECHA	
Evaluation		non-irritant	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	sodium benzothiazol-2-yl sulfide	2492-26-4	219-660-8
Species		rabbit	
Source		ECHA	
Evaluation		corrosive	
Evaluation/classification		Based on available data, the classification criteria are met.	
2	benzothiazole	95-16-9	202-396-2
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		low-irritant	
Evaluation/classification		Based on available data, the classification criteria are met.	

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	benzothiazole	95-16-9	202-396-2
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	sodium benzothiazol-2-yl sulfide	2492-26-4	219-660-8
Type of examination		in vitro gene mutation study in bacteria	
Species		Salmonella typh. TA98, TA100, TA1535, TA1537, TA1538	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	benzothiazole	95-16-9	202-396-2
Type of examination		in vitro gene mutation study in bacteria	
Species		Salmonella typhimurium TA98, TA100, TA1535, TA1537	
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Reproduction toxicity	
No data available	

Carcinogenicity	
No data available	

STOT - single exposure	
No data available	

STOT - repeated exposure	
No data available	

Aspiration hazard	
No data available	

11.2 Information on other hazards

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Endocrine disrupting properties
No data available.

Other information
No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	benzothiazole	95-16-9	202-396-2
LC50		39	mg/l
Duration of exposure		96	h
Species	red killifish		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	benzothiazole	95-16-9	202-396-2
EC50		19	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No data available			

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	benzothiazole	95-16-9	202-396-2
EC50		48.7	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	benzothiazole	95-16-9	202-396-2
EC50		635	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	ISO 8192		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	benzothiazole	95-16-9	202-396-2
Type	aerobic biodegradation		
Value		74.3	%
Duration		28	d
Method	EU C-4.D		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
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No	Substance name	CAS no.	EC no.
1	benzothiazole	95-16-9	202-396-2
BCF		2.1	- 7.5
Species		Cyprinus carpio	
with reference to		0.02-0.2 mg/L	
Method		OECD 305 C	
Source		ECHA	

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	benzothiazole	95-16-9	202-396-2
log Pow		2.01	
Source		ECHA	

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The components of this product are not considered to be a PBT.
vPvB assessment	The components of this product are not considered to be a vPvB.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information
Do not discharge into drains or waters and do not dispose of in public landfills.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

Class	8
Classification code	C7
Packing group	II
Hazard identification no.	80
UN number	UN3267
Proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Technical name	sodium benzothiazol-2-yl sulfide
Tunnel restriction code	E
Label	8
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	8
Packing group	II
UN number	UN3267
Proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Technical name	sodium benzothiazol-2-yl sulfide
EmS	F-A, S-B
Label	8
Marine pollutant mark	Symbol "fish and tree"

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14.3 Transport ICAO-TI / IATA

Class	8
Packing group	II
UN number	UN3267
Proper shipping name	Corrosive liquid, basic, organic, n.o.s.
Technical name	sodium benzothiazol-2-yl sulfide
Label	8

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

To be transported always in closed, upright and safe containers. Make sure that persons handling these containers are aware of the rules of conduct in case of incident or spillage.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	sodium hydroxide	1310-73-2	215-185-5	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category: E1

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.

Octocure SMBT-50**Creation of the safety data sheet**

UMCO GmbH

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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