SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

Thinner S 6005

Creation date	02. July 2015		
Revision date	25. May 2017	Version	3.0

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

1.1. Product identifier — Thinner S 6005

Substance / mixture	mixture
Number	30
Other mixture names	S 6005 - thinner of the synthetic paints

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

mixture's intended use	Thinner S 6005 is designed to dilute the synthetic paints for light metals S 2003 applied by spraying or dipping, or synthetic paints basic S 2035 and wherever it is prescribed by norm.
Disapproved uses of mixture	The product should not be used in ways other then those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Name or trade name	Severochema
Address	Vilová 333/2, Liberec, 46171 Czech Republic
Identification number (ID)	29220
VAT Reg No	CZ00029220
Phone	485341911
E-mail	liberec@severochema.cz
Web address	www.severochema.cz

Competent person responsible for the safety data sheet

Name	Ing. Jitka Vladarová

1.4. Emergency telephone number

National Health Service (NHS) 111
National poisoning information centre Scotland, NHS 24: 111

SECTION 2: Hazards identification

2.1. Substance or mixture classification

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Flam. Liq. 2, H225
Asp. Tox. 1, H304
Acute Tox. 4, H312+H332
Skin Irrit. 2, H315
Eye Irrit. 2, H319
STOT SE 3, H335, H336
Repr. 2, H361d
STOT RE 2, H373

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

Highly flammable liquid and vapour.

Most serious adverse effects on human health and the environment

May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Suspected of damaging the unborn child. Harmful in contact with skin or if inhaled.

2.2. Label elements

Hazard pictogram

Signal word

Danger

Hazardous substances

xylene
toluene

Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H312+H332	Harmful in contact with skin or if inhaled.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P271	Use only outdoors or in a well-ventilated area.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use powder extinguisher/sand/carbon dioxide to extinguish.
P405	Store locked up.
P501	Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town.

Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

2.3. Other hazards

The product is the source of emissions of organic substances into the air. There is no risk of confusion (specific odour) if the product is stored in its original marked packaging. If used in a non-ventilated environment, organic vapours may be inhaled. Exposure to high temperatures may result in catching fire and explosion. Fire may form dangerous gases. Vapours may form an explosive mixture with air. Vapours are heavier than air. They can concentrate in the lower areas - cellars, sewer system.

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

A mixture of the following solvents.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
Index: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 Registration number: 01-2119539452-40-xxxx	xylene	≥65	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373	1
Index: 601-021-00-3 CAS: 108-88-3 EC: 203-625-9 Registration number: 01-2119471310-51-xxxx	toluene	10-35	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Repr. 2, H361d STOT RE 2, H373	2

Notes

1 Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

2 The use of the substance is restricted by Annex XVII of REACH Regulation.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

Inhalation

Terminate the exposure immediately; move the affected person to fresh air. Remove contaminated clothes. Protect the person against growing cold. Ensure medical treatment considering the frequent need of further observation for at least 24 hours.

Skin contact

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Provide medical treatment.

Eye contact

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

Ingestion

DO NOT INDUCE VOMITING! If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Provide medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

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

Inhalation

Possible irritation of airways, cough, headache.

Skin contact

Painful reddening, irritation.

Eye contact

Not expected.

Ingestion

Irritation, nausea.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Medium or heavy foam, powder, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

Fire produces heavy, black smoke, with potential development of carbon monoxide and dioxide and other toxic gases. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

The mixture is highly flammable. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all ignition sources; provide sufficient ventilation.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. No smoking. Protect against direct sunlight. Electrostatic charge may be formed during use; use only earthed piping (tubing) when repumping. Use of antistatic clothes and footwear is recommended. Use non-sparking tools. Do not inhale gases and vapours. Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

Storage class	3A - Flammable liquids (flash point below 55 °C)
Storage temperature	min 0 °C, max 30 °C

The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

7.3. Specific end use(s)

Paint thinner, solvent, or other technological purposes.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

none

DNEL

toluene

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	384 mg/m³	Systemic acute effects	
Workers	Inhalation	384 mg/m³	Local acute effects	
Workers	Dermal	384 mg/kg bw/day	Systemic chronic effects	
Workers	Inhalation	192 mg/m³	Systemic chronic effects	
Workers	Inhalation	192 mg/m³	Local chronic effects	
Consumers	Inhalation	226 mg/m³	Systemic acute effects	
Consumers	Inhalation	226 mg/m³	Local acute effects	
Consumers	Dermal	226 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	56.5 mg/m³	Systemic chronic effects	
Consumers	Oral	8.13 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	56.5 mg/m³	Local chronic effects	

xylene

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	442 mg/m³	Local acute effects	
Workers	Inhalation	221 mg/m³	Local chronic effects	
Workers	Dermal	3182 mg/kg bw/day	Local chronic effects	
Consumers	Inhalation	260 mg/m³	Local acute effects	
Consumers	Inhalation	65.3 mg/m³	Local chronic effects	
Consumers	Dermal	1872 mg/kg bw/day	Local chronic effects	
Consumers	Oral	12.5 mg/kg bw/day	Local chronic effects	

PNEC

toluene

Route of exposure	Value	Determining method
Freshwater environment	0.68 mg/l	
Freshwater sediment	16.39 mg/kg of dry substance of sediment	
Soil (agricultural)	2.89 mg/kg of dry substance of soil	

xylene

Route of exposure	Value	Determining method
Freshwater environment	0.327 mg/l	
Freshwater sediment	12.46 mg/kg of dry substance	

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Protection of hands:
Protective gloves in accordance with EN 374, chemical resistance F, protection index of at least Class 3. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer.
Other protection:
Antistatic protective clothing (can not be ruled out explosive concentrations). Contaminated skin should be washed thoroughly.

Respiratory protection

In poorly ventilated areas and / or in excess of WEL use a protective mask with a filter against organic vapors and aerosols, type A. During a disaster, as the case of fire, use self-contained breathing apparatus.

Thermal hazard

Hazard Class: I
Temperature class: T1
Explosive group: II.A
Calorific value [MJ / kg]: 42

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	liquid without foreign, mechanical impurities
Physical state	liquid at 20°C
color	colorless, clear
Odour	characteristic aromatic
Odour threshold	data not available
pH	data not available
Melting point/freezing point	-10 °C
Initial boiling point and boiling range	111-145 °C
Flash point	14.5 °C
Evaporation rate	data not available
Flammability (solid, gas)	flammable liquid II. hazard Class
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	

bottom	3 %
upper	7.6 %
Vapour pressure	data not available
Vapour density	>1
Relative density	data not available
Solubility(ies)	
solubility in water	limited
solubility in fats	data not available
Partition coefficient: n-octanol/water	data not available
Auto-ignition temperature	data not available
Decomposition temperature	nezjištěno °C
Viscosity	data not available
Explosive properties	mixture with air or another oxidizing substance is an explosive
Oxidising properties	none

9.2. Other information

Density	0.860-0.875 g/cm^3 at 20 °C
ignition temperature	498 °C
total organic carbon (TOC)	0.91 kg/kg
solid content (dry matter)	0 % volume

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is flammable.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

The product is stable under normal conditions.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents. Thereby a dangerous exothermic reaction will be prevented.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide, heavy smoke and nitrogen oxides are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No toxicological data is available for the mixture.

Acute toxicity

Harmful in contact with skin or if inhaled.

toluene

Route of exposure	Parameter	Value	Time of exposure	Species	Sex	Source
Oral	LD50	>5580 mg/kg		Rat		
Inhalation	LC50	12500-28800 mg/m³	4	Rat		
Dermal	LD50	12196 mg/kg		Rabbit		

xylene

Route of exposure	Parameter	Value	Time of exposure	Species	Sex	Source
Dermal	LD50	12126 mg/kg		Rabbit		SDS Supplier
Inhalation	LC50	27124 mg/m³		Rat		SDS Supplier
Oral	LD50	3523 mg/kg		Rat		SDS Supplier

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/irritation
Causes serious eye irritation.

Respiratory or 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 the unborn child.

Toxicity for specific target organ - single exposure
May cause respiratory irritation. May cause drowsiness or dizziness.

Toxicity for specific target organ - repeated exposure
May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard
May be fatal if swallowed and enters airways. Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity
Data for the mixture are not available.

toluene

Parameter	Value	Time of exposure	Species	Environment	Source
LC50	7.63 mg/l	96 hour	Fishes (Oncorhynchus mykiss)		
EC50	8 mg/l	24 hour	Daphnia (Daphnia magna)		
EC50	6 mg/l	48 hour	Daphnia (Daphnia magna)		
EC50	245 mg/l	24 hour	Algae (Chlorella vulgaris)		

toluene

Parameter	Value	Time of exposure	Species	Environment	Source
EC50	10 mg/l	24 hour	Algae (Pseudokirchneriella subcapitata)		

xylene

Parameter	Value	Time of exposure	Species	Environment	Source
LC50	2.6 mg/l	96 hour	Fishes		SDS Supplier
EC50	>1 mg/l	48 hour	Daphnia (Daphnia magna)		SDS Supplier
EC50	2.2 mg/l	72 hour	Algae		SDS Supplier

Chronic toxicity

toluene

Parameter	Value	Time of exposure	Species	Environment	Source
NOEC	5.44 mg/l	7 day	Fishes (Pimephales promelas)		

xylene

Parameter	Value	Time of exposure	Species	Environment	Source
NOEC	>1.3 mg/l	56 day	Fishes		SDS Supplier

12.2. Persistence and degradability

Biodegradability

xylene

Parameter	Value	Time of exposure	Environment	Result	Source
Log Kow	3.12-3.2		Activated sludge		SDS Supplier

The mixture is biodegradable.

12.3. Bioaccumulative potential

Insignificant.

12.4. Mobility in soil

The product is soluble and mobile in water and soil. Contamination of water courses may occur in the event of rain.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Other adverse effects

not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling. Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations.

Legislation of waste

Council Directive 75/442/EEC on waste, as amended. Decree No. 383/2001 Coll., on details regarding waste handling as amended. Decree No. 93/2016 Coll., (waste catalogue) as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

16 03 05 organic wastes containing dangerous substances

Packaging waste type code

15 01 10 packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1. UN number

UN 1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

II - substances presenting medium danger

14.5. Environmental hazards

YES

14.6. Special precautions for user

Products are transported in common, sealed, and clean transport tools in an upright position, i.e. cap facing up, protected against weather influences, direct sunlight, impacts, and falling.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

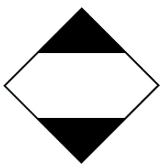
Not applicable.

Additional information

Hazard identification No.	**33** (Kemler Code)
UN number	**1263**
Classification code	F1
Safety signs	3

Road transport ADR

Limited amount	5 L
Sign	



SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended (the Chemical Act). The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended. The Act No. 258/2000 Coll., on Protection of Public Health as amended. Decree No. 361/2007 Coll., determining conditions of occupational health protection as amended. Decree No. 415/2012 Coll., on the permissible level of pollution and its determination and implementation of certain other provisions of the Air Protection Act as amended. The Act No. 185/2001 Coll., on Waste and the Amendment of Some Other Acts as amended. The Act No. 201/2012 Coll., on the Protection of Atmosphere – Clean Air Act as amended. Decree No. 80/2014 Coll., amending the Decree No. 194/2001 Coll., laying down technical requirements for aerosol sprays as amended. Decree No. 432/2003 Coll., laying down conditions for assigning categories to individual jobs, limit values of indices from biological exposure tests, conditions for the sampling of biological materials for biological exposure and the particulars of the reports on work with asbestos and biological agents as amended.

15.2. Chemical safety assessment

Has not been done.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H312+H332	Harmful in contact with skin or if inhaled.

Guidelines for safe handling used in the safety data sheet

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P271	Use only outdoors or in a well-ventilated area.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
P501	Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town.
P243	Take action to prevent static discharges.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378	In case of fire: Use powder extinguisher/sand/carbon dioxide to extinguish.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC	Identification code for each substance listed in EINECS
EC50	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC50	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD50	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log Kow	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Repr.	Reproductive toxicity
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended. First aid principles after the exposure to the chemicals (Zásady pro poskytování první pomoci při expozici chemickým látkám, doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

Version 3.0 replaces the SDS version of 2.7.2015.

More information

NA

Statement

Safety data sheet contains data required for securing work safety and protection and environmental protection. Specified data correspond to our current state of knowledge and experience and are provided in accordance with most recently amended, valid regulations. It shall be supplemented in relation to the process of fulfilling regulation 1907/2006/EC and supplier data. Information and recommendations were provided based on our knowledge, the knowledge of our suppliers, on the basis of performed tests by specialized institutions, and with the use of publicized results in professional literature. Despite this, the data may not be necessarily complete. Information contained herein cannot be considered as an assurance of suitability and applicability of the product for the specific application. The information is not a product quality specification.