

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 01 of 15

Print date:
Revision date:

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

REACH Registration No:

Use of the substance/preparation:

Identified use(s):

Industry:

Professional:

Private (consumer):

In compliance with the conditions described in the annex to this safety data sheet.

Function(s) of the substance/the preparation:

Intermediate product
Additive
Active agent
Solvent

Operational area(s):
Textile industry

EC market placer (manufacturer, importer or distributor):

Company/undertaking identification:

E-Mail (competent person):

Information contact:

EMERGENCY TELEPHONE:

Kommentar [HA1]:

Where a Chemical Safety Report is required, the Safety Data Sheet shall contain information on all the identified uses relevant to the recipient of the Safety Data Sheet. This information shall be consistent with the identified uses and exposure scenarios set out in the annex to the Safety Data Sheet.

Kommentar [HA2]:

e.g. storage, mixing, filling (except of e.g. spraying).
In compliance with the conditions described in the annex to this safety data sheet.
Standard phrases are listed in BDI core catalogue under 01.RE.02.01. In case that standard description is not sufficient see BDI-catalogue modul "Categories" or "Descriptor for application techniques (operation units)".

Kommentar [HA3]:

Standard phrase for extended SDS. See SDS Annex (e.g. UEC Matrix) and BDI-catalogue modul „eSDS“.

Kommentar [HA4]:

Only examples listed.
"Technical functions" may be chosen from BDI-catalogue modul "categories" or "Descriptor for technical function of substances and end-use preparations".

Kommentar [HA5]:

Optional:
Branch-specific, especially for end-products. May be chosen from BDI-catalogue modul "categories" or „Descriptor for industry categories (NACE Code)" oder „Descriptor for substances in articles with no intended release" or "Descriptor for substances in articles with intended release".

Kommentar [HA6]:

Identify the person responsible for placing the substance or preparation on the market within the Community, whether it is the manufacturer, importer or distributor.
For registrants, the person identified shall be consistent with the information on the identity of the manufacturer or importer provided in the registration.

Kommentar [HA7]:

In addition to the above mentioned information, supply the emergency telephone number of the company and/or relevant official advisory body (this may be the body responsible for receiving information relating to health, which is referred to in Article 17 of Directive 1999/45/EC). Specify if this phone number is available only during office hours.

Foot note (general hint):

The given tables in chapters 3,8,11 and 12 are only examples. Of course other illustration alternatives may be used in practice.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 02 of 15

Print date:
Revision date:

2. HAZARDS IDENTIFICATION

Classification:

Other Hazards

Informations pertaining to special dangers for human and environment:

Adverse physicochemical effect(s):
Adverse human health effect(s) and symptom(s):
Adverse environmental effect(s):
Other adverse hazard(s):

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization (substance):

CAS.-No.:
EC-No.
INDEX-No.:

Purity:
Synonyme(s):
Stabilizer(s):
Hazard(ous) impurity(ies):

Additional information:

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization (preparation):

Hazard(ous) ingredient(s):

Chemical name	EC-No.	REACH-No.	Index-No.	CAS-No.	Value (%)	Classification/Labeling		Remark
						Symbol	R-Phrases	

Additional information:

*** Foot note:**

Where the person responsible for placing the preparation on the market can demonstrate that the disclosure in the safety data sheet of the chemical identity of a substance which is exclusively classified as irritant with the exception of those assigned R41 or irritant in combination with one or more of the properties mentioned in point 2.3.4 of Article 10 of Directive 1999/45/EC, or harmful or harmful in combination with one or more of the properties mentioned in point 2.3.4 of Article 10 of Directive 1999/45/EC presenting acute lethal effects alone, will put at risk the confidential nature of his intellectual property, he may, in accordance with the provisions of Part B of Annex VI to Directive 1999/45/EC, refer to that substance either by means of a name that identifies the most important functional chemical groups, or by means of an alternative name.

Kommentar [HA8]: Distinguish clearly between preparations which are classified as dangerous and preparations which are not classified as dangerous according to Directive 1999/45/EC.

Describe the most important adverse physicochemical, human health and environmental effects and symptoms relating to the uses and possible misuses of the substance or preparation that can reasonably be foreseen.

Kommentar [HA9]: The classification of the substance shall be consistent with the classification provided to the classification and labelling inventory according to Title XI.

Kommentar [HA10]: Describe the most important adverse physicochemical, human health and environmental effects and symptoms relating to the uses and possible misuses of the substance or preparation that can reasonably be foreseen.

Kommentar [HA11]: It may be necessary to mention other hazards, such as dustiness, cross-sensitisation, suffocation, freezing, high potency for odour or taste or environmental effects such as hazards to soil-dwelling organisms, ozone depletion, photochemical ozone creation potential, etc., which do not result in classification but which may contribute to the overall hazards of the material.

Kommentar [HA12]: e.g., whether it is a PBT- or vPvB-Substance or substance with a common working place exposure limit value.

Kommentar [HA13]:
1 „dangerous preparation:
1a all health or environmental hazardous substances, if
≥ consideration limit 1999/45/EC
≥ concentration limit, Annex I
≥ conc.limit 1999/45/EC, Part B, Annexes II, III
≥ conc. limit 1999/45/EC, Annex V
≥ conc. limit Title X.
1b EU-working place exposure subst.
1c ≥ 0,1 % PBT- or vPvB-Substances
2. „not dangerous preparations:
2a all health or environmental hazardous substances, if
≥ 1 weight% (l,s) or ≥ 0,2 Vol% (g)
2b EU-working place exposure subst
≥ 1 weight% (l,s) or ≥ 0,2 Vol% (g)
≥ 0,1 % PBT- or vPvB-Substances

Kommentar [HA14]: will be longterm substituted by REACH-No.

Kommentar [HA15]: e.g., whether it is a PBT- or vPvB-Substance or substance with a common working place exposure limit value.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 03 of 15

Print date:
Revision date:

4. FIRST AID MEASURES

General informations:

In case of inhalation:

In case of skin contact:

In case of eye contact:

In case of ingestion:

Self-protection of the first aider:

Information to physician:

Symptoms:

Hazards:

Treatment:

Kommentar [HA16]:

The information on first aid shall be brief and easy to understand by the victim, bystanders and first-aiders. The symptoms and effects shall be briefly summarised. The instructions shall indicate what is to be done on the spot in the case of an accident and whether delayed effects can be expected after exposure.

Indicate whether professional assistance by a doctor is needed or advisable.

For some substances or preparations it may be important to emphasise that special means to provide specific and immediate treatment shall be available at the workplace.

Kommentar [HA17]:

Specify first whether immediate medical attention is required.

Kommentar [h18]:

TRGS 220 (DE):
If special R-phrases (see chapter 15) indicating exposure way specific health hazards it is necessary to describe detailed first aid measures related to this exposure way.

If special informations for physician are required (e.g. specific antidot, or overpressure tretament, restriction of spezial drugs resp. natural stimulants etc.) this shall be described in this chapter too. Thiose informations may include medical phrases and may be therefore not be understandable for laymen.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 04 of 15

Print date:
Revision date:

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Extinguishing media which must not be used for safety reasons:

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Special protective equipment for fire-fighters:

Additional information:

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Environmental precautions:

Methods for cleaning up:

Additional information:

Kommentar [HA19]:
If appropriate refer to headings 8 and 13.

Kommentar [HA20]:
Removal of ignition sources, provision for sufficient ventilation/respiratory protection, control of dust, prevention of skin and eye contact.

Kommentar [HA21]:
Keeping away from drains, surface- and ground-water and soil, possible need to alert the neighbourhood.

Kommentar [HA22]:
Use of absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.), reduction of gases/fumes with water, dilution.

Also consider the need for indications such as: 'never use, neutralise with ...'

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 05 of 15

Print date:
Revision date:

7. HANDLING AND STORAGE

Handling

Advices on safe handling:

Technical measures:

Measures to prevent aerosol and dust generation:
Measures required to protect the environment:

Precautions against fire and explosion:

Further informations:

Storage

Technical measures and storage conditions:

Hints on storage assembly:

Further information on storage conditions:

Specific use(s):

Recommendation(s):
Industrial sector specific solutions:

Kommentar [HA23]:

Information in this section shall relate to the protection of human health, safety and the environment. It shall assist the employer in devising suitable working procedures and organisational measures according to Article 5 of Directive 98/24/EC.

Where a chemical safety report or a registration is required, the information in this section shall be consistent with the information given, for the identified uses and exposure scenarios set out in the annex to the Safety Data Sheet.

Kommentar [HA24]:

Specify precautions for safe handling including advice on technical measures such as:

containment, local and general ventilation, measures to prevent aerosol and dust generation and fire, measures required to protect the environment (e.g. use of filters or scrubbers on exhaust ventilation, use in a bunded area, measures for collection and disposal of spillages, etc.) and any specific requirements or rules relating to the substance or preparation (e.g. procedures or equipment which are prohibited or recommended) and if possible give a brief description.

Kommentar [HA25]:

Specify the conditions for safe storage such as:

specific design for storage rooms or vessels (including retention walls and ventilation), incompatible materials, conditions of storage (temperature and humidity limit/range, light, inert gas, etc.) special electrical equipment and prevention of static electricity.

Give advice if relevant on quantity limits under storage conditions.

In particular indicate any special requirements such as the type of material used in the packaging/containers of the substance or preparation.

Kommentar [HA26]:

For end products designed for specific use(s), recommendations shall refer to the identified use(s) and be detailed and operational. If possible, reference shall be made to industry- or sector-specific approved guidance.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 06 of 15

Print date:
Revision date:

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit values:

Occupational exposure limits:

Limit value type (country of origin)	Substance	Workplace exposure limit value		EC-No.	CAS-No.	Recommended monitoring procedures	Source	Remark
		Long-term (8 h)	Short-term (15 min)					
AGW (DE)								
OEL (EU)								

Biological limit values:

Limit value type (country of origin)	Substance	EC-No.	CAS-No.	Investigation parameter	Source	Remark
BGW (DE)						

DNEL/PNEC-value(s):

DNEL			Exposure route	Exposure frequency	Remark
Worker	Professional	Consumer			
			oral	Short Term (acute) Long Term (repeated)	None
			dermal	Short Term (acute) Long Term (repeated)	
			inhalative	Short Term (acute) Long Term (repeated)	

PNEC			Exposure frequency	Remark
Exposure route				
Water			Short Term (single use) Long Term (continuous)	
Air			Short Term (single use) Long Term (continuous)	
Soil			Short Term (single use) Long Term (continuous)	

Kommentar [HA27]:
For the purposes of this document exposure control means the full range of specific risk management measures to be taken during use in order to minimise worker and environmental exposure.

Where a chemical safety report is required, a summary of the risk management measures shall be given in Section 8 of the Safety Data Sheet for the identified uses set out in the Safety Data Sheet.

Kommentar [HA28]:
Specify currently applicable specific control parameters including occupational exposure limit values and/or biological limit values. Values shall be given for the Member State where the substance or preparation is placed on the market. Give information on currently recommended monitoring procedures.

Kommentar [h29]:
New header under REACH. Where a Chemical Safety Report is required, the relevant DNELs and PNECs for the substance shall be given for the exposure scenarios set out in the annex to the Safety Data Sheet.

Kommentar [HA32]:
If it is not possible to derive the PNEC, then this shall be clearly stated and fully justified (REACH, Annex I, 3.3.2)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 07 of 15

Print date:
Revision date:

Exposure controls

Occupational exposure controls:

Technical measures to prevent exposure:

Personal protection equipment:

Respiratory protection:

Hand protection:

Eye protection:

Body protection:

Environmental exposure controls:

Water (incl. sewage plant):

Air:

Soil:

Exposure controls for consumer use and articles:

Kommentar [HA33]:

This information will be taken into account by the employer in carrying out an assessment of risk to the health and safety of workers for the substance or preparation under Article 4 of Directive 98/24/EC, which requires, in the order of priority: design of appropriate work processes and engineering controls, the use of adequate equipment and materials, the application of collective protection measures at source, such as adequate ventilation and appropriate organisational measures, and where exposure cannot be prevented by other means the use of individual protection measures, such as personal protection equipment. Therefore provide suitable and adequate information on these measures to enable a proper risk assessment to be carried out under Article 4 of Directive 98/24/EC. This information shall complement that already given under heading 7.1.

Kommentar [h34]:

New required header under REACH

Kommentar [HA35]:

Where individual protection measures are needed, specify in detail which equipment will provide adequate and suitable protection. Take into account Council Directive 89/686/EEC of 21 December 1989 on the approximation of the laws of the Member States relating to personal protective equipment (1) and make reference to the appropriate CEN standards.

Kommentar [HA36]: For dangerous gases, vapours or dust, specify the type of protective equipment to be used, such as: self contained breathing apparatus, adequate masks and filters.

Kommentar [HA37]: Specify clearly the type of gloves to be worn when handling the substance or preparation, including: the type of material, the breakthrough time of the glove material, with regard to the amount and duration of dermal exposure.

If necessary indicate any additional information ... [1]

Kommentar [HA38]:

Specify the information required by the employer to fulfil his commitments under EU environmental protection legislation. Where a chemical safety report is required, a summary of the risk management measures that adequately control exposure of the environment to the substance shall be given for ... [2]

Kommentar [h39]:

New required header under REACH. Required for production of end-products.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 08 of 15

Print date:
Revision date:

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state:

Colour:

Odour:

Important health, safety and environmental information

Safety relevant basic data

Parameter	Value	Unit	Method	Remark
pH (20 °C):				
Melting point/range (°C):				
Boiling point/range (°C):				
Flash point (°C):				
Ignition temperature (°C):				
Vapour pressure (°C):				
Density (g/cm ³):				
Bulk density (kg/m ³):				
Water solubility (20°C in g/l):				
Partition coefficient n-Octanol/Water (log Po/w)				
Viscosity, dynamic (mPa s):				
Dust explosion hazard:				
Explosion limits:				
lower:				

Substance groups relevant properties:

Other information:

Kommentar [HA40]:
To enable proper control measures to be taken, provide all relevant information on the substance or preparation, particularly the information listed under heading 9.2.
The information in this section shall be consistent with the information provided in a registration where one is required.

Kommentar [HA41]:
For preparations, information shall normally be given on the properties of the preparation itself. However, if it is stated that a particular hazard does not apply, clearly differentiate between cases where no information is available to the classifier, and cases where negative test results are available. If it is considered necessary to give information about the properties of individual components, please indicate clearly what the data refers to.

The above properties shall be determined in accordance with the specifications laid down in the Commission Regulation on testing methods referred to in Article 13(3) or any other comparable method.

Kommentar [h42]:
Will become relevant with GHS.

Kommentar [HA43]:
Indicate other important safety parameters, such as miscibility, fat solubility (solvent oil to be specified), conductivity, melting point/melting range, gas group (useful for Directive 94/9/EC of the European Parliament and the Council of 23 March 1994 on the approximation of the laws of the Member States concerning equipment and protective systems intended for use in potentially explosive atmospheres (1)), auto-ignition temperature, etc.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 09 of 15

Print date:
Revision date:

10. STABILITY AND REACTIVITY

Conditions to avoid:

Materials to avoid:

Hazardous decomposition products:

11. TOXIKOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution

Acute effects (toxicity tests)

Acute toxicity

Acute toxicity	Value	Species	Method	Remark
LD50 (oral)		Rat		
LD50 (dermal)		Rabbit		
LC50 (inhalative)		Rat		

Specific symptoms in animal studies:

In case of ingestion

In case of skin contact:

In case of inhalation:

In case of eye contact:

Kommentar [HA44]:

This section deals with the need for a concise but complete and comprehensible description of the various toxicological (health) effects, which can arise if the user comes into contact with the substance or preparation.

The information in this section shall be consistent with the information provided for in a registration where required and/or in a Chemical Safety Report where required and shall give information on the following groups of potential effects: toxicokinetics, metabolism and distribution, acute effects (acute toxicity, irritation and corrosivity), sensitisation, repeated dose toxicity, and CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction).

For substances subject to registration, summaries of the information derived from the application of Annexes VII to XI of this Regulation shall be given.

Kommentar [HA45]:

The information shall include dangerous-to-health effects from exposure to the substance or preparation, based on the conclusion from, for example, test data and experience. The information shall also include, where appropriate, delayed, immediate and chronic effects from short- and long-term exposure such as sensitisation, narcosis, carcinogenicity, mutagenicity and reproductive toxicity (developmental toxicity and fertility). It shall also include information on the different routes of exposure (inhalation, ingestion, skin and eye contact), and describe the symptoms related to the physical, chemical and toxicological characteristics.

Taking account of the information already provided under heading 3, composition/ information on ingredients, it may be necessary to make reference to specific health effects of certain substances in the preparation.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 010 of 15

Print date:
Revision date:

Irritant and corrosive effects:

	Species	Evaluation	Method	Remark
Skin				
Eye				
Respiratory tract				

Sensitization

In case of skin contact:

In case of inhalation:

Remark:

ft

Type of toxicity	Effect dose	Value	Exposure time	Species	Method	Evaluation	Remark
Sub-acute oral							
Sub-acute dermal							
Sub-acute inhalative							
Sub-chronic oral							
Sub-chronic dermal							
Sub-chronic inhalative							
Chronic oral							
Chronic dermal							
Chronic inhalative							

Repeated dose toxicity (sub-acute to chronic)

Carcinogenicity, mutagenicity and toxicity for reproduction

Type of toxicity	Effect dose	Value	Exposure time	Species	Method	Evaluation	Remark
Carcinogenicity							
Mutagenicity							
Reproductive toxicity							

Summarized evaluation of the CMR properties:

Experiences made in practice

Observations relevant to classification:
Other observations:

General remarks:

Kommentar [HA46]:

The information shall also include the result of the comparison of the available data with the criteria given in Directive 67/548/EEC for CMR, categories 1 and 2, following paragraph 1.3.1 of Annex I of this Regulation.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 011 of 15

Print date:
Revision date:

12. Ecological information

Ecotoxicity:

Acute toxicity	Time	Species	Method	Evaluation	Remark
LC50	96 h	Fish			
EC50	48 h	Daphnia			
IC50	72 h	Algae			

Mobility:

Known or predicted distribution to environmental compartments:

Surface tension:

Value	at °C	Concentration	Method	Remark

Adsorption/Desorption

Transport	A/D coefficient Henry constant	log Koc	Volatility rate	Method	Hysteresis	Remark
Soil-water						
Water-air						
Soil-air						

Kommentar [HA47]:

The information in this section shall be consistent with the information provided for in a registration where required and/or in a Chemical Safety Report where required.

Describe the possible effects, behaviour and environmental fate of the substance or preparation in air, water and/or soil. Where available, give relevant test data (e.g. LC50 fish \leq 1 mg/l).

Describe the most important characteristics likely to have an effect on the environment owing to the nature of the substance or preparation and likely methods of use. Information of the same kind shall be supplied for dangerous products arising from the degradation of substances and preparations.

Ensure that information relevant to the environment is provided under other headings of the Safety Data Sheet, especially advice for controlled release, accidental release measures, transport and disposal considerations under headings 6, 7, 13, 14 and 15.

Kommentar [HA48]:

This shall include relevant available data on aquatic toxicity, both acute and chronic for fish, crustaceans, algae and other aquatic plants. In addition, toxicity data on soil micro- and macro-organisms and other environmentally relevant organisms, such as birds, bees and plants, shall be included when available. Where the substance or preparation has inhibitory effects on the activity of micro-organisms, the possible impact on sewage treatment plants shall be mentioned.

For substances subject to registration, summaries of the information derived from the application of Annexes VII to XI shall be included.

Kommentar [HA49]:

The potential of the substance or the appropriate constituents of a preparation (1), if released to the environment, to transport to groundwater or far from the site of release.

Relevant data might include:

- known or predicted distribution to environmental compartments,
- surface tension,
- absorption/desorption.

For other physicochemical properties see heading 9.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 012 of 15

Print date:
Revision date:

Persistence and degradability

Abiotic Degradation

Half-time	Method	Evaluation	Remark
Sea-water			
Fresh-water			
Air			
Soil			

Physical- and photo-chemical elimination

Type of elimination	Half-time	Method	Evaluation	Remark
Ozonolyse				
Oxidation				
Photo-oxidation				
De-chlorination				
Photo-mineralization				

Biodegradation:

Deagradation rate (%)	Time (d)	Method	Evaluation	Remark

Bioaccumulative potential

Partition coefficient n-octanol /water (log KOW):

Value	Concentration	pH	°C	Method	Evaluation	Remark

Bioconcentration factor (BCF):

Value	Species	Method	Evaluation	Remark

Longterm-Ecotoxicity:

Toxicity type	Effect dose	Species	Method	Evaluation	Remark
Sub-acute	NOEC	Fish			
	NOEC	Daphnia			
	NOEC	Bird			
Sub-chronic					
Chronic fish					

Kommentar [HA50]:

The potential of the substance or the appropriate constituents of a preparation (1) to degrade in relevant environmental media, either through biodegradation or other processes such as oxidation or hydrolysis. Degradation half lives shall be quoted where available. The potential of the substance or appropriate constituents of a preparation (1) to degrade in sewage treatment plants shall also be mentioned.

Kommentar [HA51]:

The potential of the substance or the appropriate constituents of a preparation (1) to accumulate in biota and, eventually, to pass through the food chain, with reference to the octanol-water partition coefficient (Kow) and bioconcentration factor (BCF), if available.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 013 of 15

Print date:
Revision date:

Results of PBT assessment:

Other adverse effects:

Overall evaluation:

Kommentar [HA52]:

Where a Chemical Safety Report is required, the results of the PBT assessment as set in the Chemical Safety Report shall be given.

Kommentar [HA53]:

If available, include information on any other adverse effects on the environment, e.g. ozone depletion potential, photochemical ozone creation potential, endocrine disrupting potential and/or global warming potential.

13. DISPOSAL CONSIDERATIONS

Appropriate disposal / Product:

Waste code(s) / waste designation(s) according to EWC / AVV:

Appropriate packaging:

Additional information:

Kommentar [HA54]:

If the disposal of the substance or preparation (surplus or waste resulting from the foreseeable use) presents a danger, a description of these residues and information on their safe handling shall be given.
29.5.2007 EN Official Journal of the European Union L 136/91.

Specify the appropriate methods of disposal of both the substance or preparation and any contaminated packaging (incineration, recycling, landfilling, etc.)

14. TRANSPORT INFORMATION

Land transport (ADR/RID/GGVSE):

Class:
Classification Code:
UN-No.:
Packing group:
Hazard label:
Proper Shipping Name:

Sea transport (IMDG-Code/GGVSee):

Class:
UN-No.:
Packing group:
EmS:
Proper Shipping Name:
Marine Pollutant:

Air transport (ICAO-IATA/DGR):

Class:
UN-No.:
Packing group:
Proper Shipping Name:

Where a Chemical Safety Report is required, the information on the waste management measures that adequately control exposure of humans and the environment to the substance shall be consistent with the exposure scenarios set out in the annex to the Safety Data Sheet.

Kommentar [HA55]:

Indicate any special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside his premises. Where relevant, provide information on the transport classification for each of the modal regulations: IMDG (sea), ADR (Council Directive 94/55/EC), RID (Council Directive 96/49/EC), ICAO/IATA (air).

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 014 of 15

Print date:
Revision date:

15. REGULATORY INFORMATION

EU regulations

Chemical Safety Assessment:

Labelling

Hazard(s) symbol(s) and hazard(s) statement(s):

Hazard(ous) component(s) for labelling:

R-Phrases:

S-Phrases:

Special provisions concerning the labelling of certain preparations:

Authorisations and/or restrictions on use:

Other EU regulations:

Informations according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline):

National regulations (Germany)

Restrictions of occupation:

Störfallverordnung (12. BImSchV):

Wassergefährdungsklasse (water hazard class):

Technische Anleitung Luft (TA-Luft):

Other regulations, restrictions and prohibition regulations:

Kommentar [HA56]:

Give the health, safety and environmental information shown on the label according to Directives 67/548/EEC and 1999/45/EC.

Kommentar [HA57]:

If the substance or preparation covered by this safety data sheet is the subject of specific provisions in relation to protection of man or the environment at Community level (e.g. authorisations given under Title VII or restrictions under Title VIII) these provisions shall, as far as is possible, be stated.

Kommentar [HA58]:

Also mention, where possible, the national laws which implement these provisions and any other national measures that may be relevant.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name:
Material.-No.:
Specification:

Version: 1.0 / EN
Page 015 of 15

Print date:
Revision date:

16. OTHER INFORMATION

Relevant R-phrases (Number and full text):

Training instructions:

Further information:

Data sources:

Annex

Will be published as soon as structure is available

Kommentar [HA59]:

Indicate any other information which the supplier assesses as being of importance for the health and safety of the user and for the protection of the environment, for example:

- list of relevant R phrases. Write out the full text of any R phrases referred to under headings 2 and 3 of the Safety Data Sheet,
- training advice,
- recommended restrictions on use (i.e. non-statutory recommendations by supplier),
- further information (written references and/or technical contact point),
- sources of key data used to compile the Safety Data Sheet.

For a revised Safety Data Sheet, indicate clearly the information, which has been added, deleted or revised (unless this has been indicated elsewhere).

Seite 7: [1] Kommentar [HA37]Hillmer, Anita, Dr. (P10/I); +49-5361-9-25712

21.06.2007 10:39:00

Specify clearly the type of gloves to be worn when handling the substance or preparation, including: the type of material, the breakthrough time of the glove material, with regard to the amount and duration of dermal exposure.
If necessary indicate any additional hand protection measures.

Seite 7: [2] Kommentar [HA38]Hillmer, Anita, Dr. (P10/I); +49-5361-9-25712

21.06.2007 10:59:00

Specify the information required by the employer to fulfil his commitments under EU environmental protection legislation.
Where a chemical safety report is required, a summary of the risk management measures that adequately control exposure of the environment to the substance shall be given for the exposure scenarios set out in the annex to the SDS.