EPDM Aktivierung

Safety data sheet according to 1907/2006/EC, Article 31

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

1.1 Product identifier

Trade name: DACHPROTECT EPDM Aktivierung // BAUDICHT EPDM Aktivierung
UFI: VC31-M0WD-F00Q-E1MP

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

Use of the Sub-stance/Mixture: Primer

Recommended restrictions on use: For professional and industrial installation and use only.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Hanse Baustoffe Handelsges. mbH & Co. KG
Lily-Braun-Str. 46
23843 Bad Oldesloe
Germany
Tel.: +494531 8882244
Fax: +494531 8882240
E-Mail: info@hanse-baustoffe.de
www.hanse-syntec.de

1.4 Emergency telephone number

Poison Hotline Berlin
Charité: +4930 30686700 (Consultation in German and English),
Area of application Germany and Austria

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2	H225:	Highly flammable liquid and vapour.
Acute toxicity, Category 4	H332:	Harmful if inhaled.
Skin irritation, Category 2	H315:	Causes skin irritation.
Eye irritation, Category 2	H319:	Causes serious eye irritation.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336:	May cause drowsiness or dizziness.
Short-term (acute) aquatic hazard, Category 1	H400:	Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 1	H410:	Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms:

GHS02 GHS07 GHS09

Signal word: Danger

Hazard statements:
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P261 Avoid breathing mist or vapours.
P273 Avoid release to the environment.

Response:
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Hazardous components which must be listed on the label:
cyclohexane
butanone
Reaction mass of ethylbenzene and m-xylene and p-xylene

Additional Labelling
EUH204 Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 ??

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
cyclohexane	110-82-7 203-806-2 601-017-00-1 01-2119463273-41-0000	Flam. Liq. 2; H225 Acute Tox. 4; H332 Skin Irrit. 2; H315 STOT SE 3; H336 (Central nervous system) Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 ---------- Acute toxicity estimate Acute inhalation toxicity (vapour): 13,9mg/l	>= 50 - < 70
butanone	78-93-3 201-159-0 606-002-00-3 01-2119457290-43-0000	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system) EUH066	>= 10 - < 20
Reaction mass of ethylbenzene and m-xylene and p-xylene	Not Assigned 905-562-9 01-2119555267-33-0000	Acute Tox. 4; H332 Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT RE 2; H373 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 Aquatic Chronic 3; H412 Acute Tox. 4; H312 ---------- Acute toxicity esti-mate Acute inhalation tox-icity (vapour): 11 mg/l	>= 2,5 - < 10
potassium nonylphenolate	27936-43-2 248-740-5	Acute Tox. 4; H302 Skin Corr. 1B; H314 Repr. 2; H361 Aquatic Acute 1; H400 Aquatic Chronic 1;	>= 0,1 - < 0,25

		H410	
4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9 205-426-2 604-075-00-6	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 --- M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	>= 0,025 - < 0,1

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: If on clothes, remove clothes.
Move the victim to fresh air.
Show this safety data sheet to the doctor in attendance.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

If inhaled: Remove person to fresh air. If signs/symptoms continue, get medical attention.
In case of unconsciousness bring patient into stable side position for transport.

In case of skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
If skin irritation persists, call a physician.

In case of eye contact: Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

If swallowed: If accidentally swallowed obtain immediate medical attention.
Rinse mouth with water.
If conscious, drink plenty of water.
Do NOT induce vomiting.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water mist Foam Dry powder Carbon dioxide (CO_2)
Unsuitable extinguishing Media:	Water with a full water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting:	No further relevant information available.

5.3 Advice for firefighters

Special protective equipment for firefighters:	No special protective measures against fire required.
Further information:	In the event of fire, wear self-contained breathing apparatus. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:	Remove all sources of ignition. Use personal protective equipment. Use breathing protection against the effects of fumes/dust/aerosol. Evacuate personnel to safe areas. Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions:	The product should not be allowed to enter drains, water courses or the soil. Prevent the material from reaching sewage system, holes and cellars. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Non-sparking tools should be used. Ensure adequate ventilation. Send for recovery or disposal in suitable containers. Dispose of contaminated material as waste according to section 13.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:
Avoid formation of dust and aerosols.
Use only with adequate ventilation.
Take note of emission threshold.
Use solvent-proof equipment.
Ensure that suitable extractors are available on processing machines.
Handle with care.
Keep eye wash bottle available on working place.
Avoid release to the environment.
Keep away from children.

Advice on protection against fire and explosion:
Keep product and empty container away from heat and sources of ignition. Do not smoke. Take measures to prevent the build up of electrostatic charge. May form explosive mixtures in air. Highly volatile, flammable constituents are released during processing. In the event of fire and/or explosion do not breathe fumes. Keep breathing equipment ready. Have fire extinguishing equipment ready in case of nearby fire.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:
Keep dark, cool and dry. Store in cool place.

Further information on storage conditions:
Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a cool place. Heat will increase pressure and may lead to the container exploding.

7.3 Specific end use(s)

Specific use(s):
No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
cyclohexane	110-82-7	TWA	200 ppm 700 mg/m3	2006/15/EC
	Further information: Indicative			
		OELV - 8 hrs (TWA)	200 ppm 700 mg/m3	IE OEL
butanone	78-93-3	STEL	300 ppm 900 mg/m3	2000/39/EC
	Further information: Indicative			

		TWA	200 ppm 600 mg/m3	2000/39/EC
	Further information: Indicative			
		OELV - 8 hrs (TWA)	200 ppm 600 mg/m3	IE OEL
	Further information: Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body			
		OELV - 15 min (STEL)	300 ppm 900 mg/m3	IE OEL
	Further information: Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
butanone	Workers	Dermal	Long-term systemic effects	1161 mg/kg
	Workers	Inhalation	Long-term systemic effects	600 mg/kg
Reaction mass of ethylbenzene and m-xylene and p-xylene	Workers	Inhalation	Acute systemic effects	289 mg/m3
	Workers	Inhalation	Acute local effects	289 mg/m3
	Workers	Dermal	Long-term systemic effects	180 mg/kg
	Workers	Inhalation	Long-term systemic effects	77 mg/m3

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Reaction mass of ethylbenzene and m-xylene and p-xylene	Fresh water	0,327 mg/l
	Marine water	0,327 mg/l
	Intermittent use/release	0,327 mg/l
	Soil	2,31 mg/kg
	Sewage treatment plant	6,58 mg/l
	Fresh water sediment	12,46 mg/kg
	Marine sediment	12,46 mg/kg

8.2 Exposure controls

Engineering measures

Please take care on national and local requirements.

Personal protective equipment

Eye protection: Tightly fitting safety goggles

Hand protection

Remarks:	The glove material has to be impermeable and resistant to the product/the substance/the preparation. The exact break through time can be obtained from the protective glove producer and this has to be observed. The gloves need to be disposed after the penetration time and replaced by new ones. Apply skin protectant before working with gloves to avoid skin swellings and use a skin cleansing and skincare product after the work. **For the permanent contact gloves made of the following materials are suitable**: If longer exposure to the chemical preparation is necessary, a sturdy overglove against mechanical strain is recommended in combination with the Barrier 02-100 underglove from Ansell or other suppliers (penetration time: 480 min). **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:** Butyl rubber (minimum thickness: 0.7 mm; penetration time: 15 min) **As protection from splashes gloves made of the following materials are suitable**: Nitril (minimum thickness 0.12 mm), Disposable gloves with long cuffs After contact with the chemical preparation, take the disposable nitrile glove off immediately and put on a new disposable nitrile glove.
Skin and body protection:	Protective clothing
Respiratory protection:	Use respiratory protection unless adequate risk management measures (exhaust/ ventilation) are provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. In case of brief exposure or low pollution (exceeding of TLV) use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air. Ensure that suitable extractors are available on processing machines.
Protective measures:	Keep away from food, drink and animal feedingstuffs. Instantly remove any soiled and impregnated garments. Wash hands before breaks and immediately after handling the product.

Avoid contact with the eyes and skin.
Store protective clothing separately.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	yellow
Odour:	solvent-like
Odour Threshold:	is not determined
Melting point/freezing point:	is not determined
Flash point:	-20 °C
Auto-ignition temperature:	is not determined
Decomposition temperature:	Not applicable
pH:	substance/mixture is non-polar/aprotic
Viscosity	
Viscosity, dynamic:	140 mPa.s (20 °C)
Viscosity, kinematic:	> 20,5 mm2/s (40 °C)
Solubility(ies)	
Water solubility:	not miscible or difficult to mix
Partition coefficient: n-octanol/water:	no data available
Density:	0,79 g/cm³ (20 °C)
Relative vapour density:	is not determined

9.2 Other information

Explosives:	Product is not explosive. However, formation of explosive vapour/air mixtures is possible.
Evaporation rate:	is not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

No decomposition if used according to the specifications.

10.3 Possibility of hazardous reactions

Hazardous reactions: Develops readily flammable vapours/fumes.

10.4 Conditions to avoid

Conditions to avoid: No further relevant information available.

10.5 Incompatible materials

Materials to avoid: No further relevant information available.

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

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

Acute toxicity

Product:

Acute oral toxicity:	Based on available data, the classification criteria are not met.
Acute inhalation toxicity:	Based on available data, the classification criteria are not met. Acute toxicity estimate: 18,91 mg/l Exposure time: 4 Hours Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity:	Based on available data, the classification criteria are not met. Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method

Components:

cyclohexane:

Acute inhalation toxicity:	LC50 (Rat): 13,9 mg/l Exposure time: 4 Hours Test atmosphere: vapour Acute toxicity estimate: 13,9 mg/l Test atmosphere: vapour Method: Calculation method

Reaction mass of ethylbenzene and m-xylene and p-xylene:

Acute inhalation toxicity:	Acute toxicity estimate: 11 mg/l Test atmosphere: vapour Method: Acute toxicity estimate

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Components:

cyclohexane:

Toxicity to fish:	LC50 (Pimephales promelas (fathead minnow)): 3,96 - 5,18 mg/l Exposure time: 96 Hours Test Type: flow-through test

4-(1,1,3,3-tetramethylbutyl)phenol:

M-Factor (Acute aquatic toxicity):	10
M-Factor (Chronic aquatic toxicity):	10

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
Product:

Mobility:	Medium: Soil Remarks: Do not allow product to reach ground water, water bodies or sewage system.

12.5 Results of PBT and vPvB assessment
Product:

Assessment:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties
Product:

Assessment:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Components:

4-(1,1,3,3-tetramethylbutyl)phenol:

Assessment:	The substance is considered to have endocrine disrupting properties according to REACH Article 57(f) for the environment.

12.7 Other adverse effects
No data available

SECTION 13: Disposal considerations
13.1 Waste treatment methods

Product:	Do not dispose of with domestic refuse. Do not dispose of waste into sewer.

Hand over to disposers of hazardous waste.
The generation of waste should be avoided or minimized wherever possible.
Incinerate under controlled conditions in accordance with all local and national laws and regulations.
Disposal must be made according to official regulations.
These EU waste code numbers are recommendations for waste accruing through the use of adhesives and sealants.
Any waste produced from organic solvents or other dangerous substances (according GHS) listed under section 3 of this safety datasheet is itself classified as dangerous (*).

Waste accruing during application:
08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Waste accruing during cleaning:
08 04 11* adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 12 adhesive and sealant sludges other than those mentioned in 08 04 11

Waste packaging:
15 01 01 paper and cardboard packaging
15 01 02 plastic packaging
15 01 04 metallic packaging
15 01 10* packaging containing residues of or contaminated by dangerous substances.

Contaminated packaging:	Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number or ID number

ADR:	UN 1993
RID:	UN 1993
IMDG:	UN 1993
IATA:	UN 1993

14.2 UN proper shipping name

ADR:	FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, ETHYL METHYL KETONE)
RID:	FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, ETHYL METHYL KETONE)
IMDG:	FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, ETHYL METHYL KETONE)
IATA:	Flammable liquid, n.o.s. (CYCLOHEXANE, Ethyl methyl ketone)

14.3 Transport hazard class(es)

ADR:	3
RID:	3
IMDG:	3
IATA:	3

14.4 Packing group

ADR

Packing group:	II
Classification Code:	F1
Hazard Identification Number:	30
Labels:	3
Tunnel restriction code:	(D/E)

RID

Packing group:	II
Classification Code:	F1
Labels:	3

IMDG

Packing group:	II
Labels:	3
EmS Code:	F-E, S-E

IATA (Cargo)

Packing group:	II
Labels:	Flammable Liquids

IATA_P (Passenger)

Packing group:	II
Labels:	Flammable Liquids

14.5 Environmental hazards

ADR

Environmentally hazardous: yes

RID

Environmentally hazardous: yes

IMDG

Marine pollutant: yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII):	Conditions of restriction for the following entries should be considered: Number on list 75, 3 cyclohexane butanone formaldehyde (Number on list 72, 28) 4-(1,1,3,3-tetramethylbutyl)phenol formaldehyde (Number on list 72, 28)
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59):	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast):	Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV):	Not applicable
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	E1 ENVIRONMENTAL HAZARDS P5c FLAMMABLE LIQUIDS

Volatile organic compounds: Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 85,8 %

Other regulations:
Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

The components of this product are reported in the following inventories:

REACH:	On the inventory, or in compliance with the inventory

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

Full text of H-Statements

H225:	Highly flammable liquid and vapour.
H226:	Flammable liquid and vapour.
H302:	Harmful if swallowed.
H304:	May be fatal if swallowed and enters airways.
H312:	Harmful in contact with skin.
H314:	Causes severe skin burns and eye damage.
H315:	Causes skin irritation.
H318:	Causes serious eye damage.
H319:	Causes serious eye irritation.
H332:	Harmful if inhaled.
H335:	May cause respiratory irritation.
H336:	May cause drowsiness or dizziness.
H361:	Suspected of damaging fertility or the unborn child.
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.
H412:	Harmful to aquatic life with long lasting effects.
EUH066:	Repeated exposure may cause skin dryness or cracking.

Full text of other abbreviations

Acute Tox.:	Acute toxicity
Aquatic Acute:	Short-term (acute) aquatic hazard
Aquatic Chronic:	Long-term (chronic) aquatic hazard
Asp. Tox.:	Aspiration hazard
Eye Dam.:	Serious eye damage
Eye Irrit.:	Eye irritation
Flam. Liq.:	Flammable liquids
Repr.:	Reproductive toxicity
Skin Corr.:	Skin corrosion
Skin Irrit.:	Skin irritation
STOT RE:	Specific target organ toxicity - repeated exposure
STOT SE:	Specific target organ toxicity - single exposure
2000/39/EC:	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2006/15/EC:	Europe. Indicative occupational exposure limit values

IE OEL:	Ireland. List of Chemical Agents and Occupational Exposure Limit Values - Schedule 1
2000/39/EC / TWA:	Limit Value - eight hours
2000/39/EC / STEL:	Short term exposure limit
2006/15/EC / TWA:	Limit Value - eight hours
IE OEL / OELV - 8 hrs (TWA):	Occupational exposure limit value (8-hour reference period)
IE OEL / OELV - 15 min (STEL):	Occupational exposure limit value (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN – Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx – Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS – Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information: This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

Modified data compared to the previous version

The following sections have been updated:
- Section 1
- Section 2
- Section 16

Classification of the mixture:		**Classification procedure:**
Flam. Liq. 2	H225	Based on product data or assessment
Acute Tox. 4	H332	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H336	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

IE / EN