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

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

1.1. Product identifier

Trade name/designation:

ISO-TOP THERMFOAM B1

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

Use of the substance/mixture:
Building and construction work

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

ISO- CHEMIE GmbH
Röntgenstraße 12
73431 Aalen
Germany
Telephone: +49 (0)7361 9490-0
Telefax: +49 (0)7361 9490-90
E-mail: info@iso-chemie.de
Website: www.iso-chemie.de

1.4. Emergency telephone number

24h: +49 (0)761 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (inhalative) *(Acute Tox. 4)*	H332: Harmful if inhaled.	
Aerosols *(Aerosol 1)*	H222; H229: Extremely flammable aerosol.; Pressurised container: May burst if heated.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Respiratory or skin sensitisation *(Skin Sens. 1B)*	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	
Carcinogenicity *(Carc. 2)*	H351: Suspected of causing cancer.	
STOT-repeated exposure *(STOT RE 2)*	H373: May cause damage to organs through prolonged or repeated exposure. (...)	
Respiratory or skin sensitisation *(Resp. Sens. 1)*	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.	

Additional information:
Pressurised container: May burst if heated. Do not spray on naked flames or any incandescent material.

2.2. Label elements

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

Hazard pictograms:

GHS02
Flame

GHS08
Health hazard

GHS07
Exclamation mark

Signal word: Danger

Hazard components for labelling:
Contains isocyanates. See information supplied by the manufacturer.

hazard statements for physical hazards	
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

hazard statements for health hazards	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure. (...)

Supplemental Hazard information (EU): -

Precautionary statements	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

Precautionary statements Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.

Precautionary statements Response	
P362 + P364	Take off contaminated clothing and wash it before reuse.

Precautionary statements Storage	
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Precautionary statements Disposal	
P501	Dispose of contents/container to Hersteller/ zuständige Stelle.

Additional information:
Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

2.3. Other hazards

Adverse physicochemical effects:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. In use, may form flammable/explosive vapour-air mixture. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction. Heating may cause an explosion.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concen-tration
CAS No.: 13674-84-5 **EC No.:** 237-158-7 **REACH No.:** 01-2119447716-31	**tris(2-chloro-1-methylethyl) phosphate** Acute Tox. 4 H302	1 – ≤ 25 %
CAS No.: 9016-87-9	**Diphenylmethandiisocyanat, Isomere und Homologe** Acute Tox. 4, Carc. 2, Eye Irrit. 2, Resp. Sens. 1, STOT RE 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1 H315-H317-H319-H332-H334-H335-H351-H373	> 25 %
CAS No.: 74-98-6 **EC No.:** 200-827-9 **REACH No.:** 01-2119469442-21	**propane** Flam. Gas 1, Press. Gas  **Danger** H220	1 – ≤ 10 %

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concen-tration
CAS No.: 115-10-6 **EC No.:** 204-065-8 **REACH No.:** 01-2119472128-37	**dimethyl ether** Flam. Gas 1, Press. Gas  **Danger** H220	1 – ≤ 10 %
CAS No.: 75-28-5 **EC No.:** 200-857-2	**isobutane** The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	1 – ≤ 10 %
CAS No.: 106-99-0 **EC No.:** 203-450-8	**buta-1,3-diene** Carc. 1A, Flam. Gas 1, Muta. 1B, Press. Gas  **Danger** H220-H340-H350	< 0.1 %

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
Unconsciousness If unconscious place in recovery position and seek medical advice. If breathing is irregular or stopped, administer artificial respiration. Regulation of the blood circulation, possible shock treatment. Observe risk of aspiration if vomiting occurs. Put victim at rest, cover with a blanket and keep warm. Immediately call a doctor.

Following inhalation:
Provide fresh air. If experiencing respiratory symptoms: Call a doctor. Irritation to respiratory tract

In case of skin contact:
After contact with skin, wash immediately with plenty of water. In case of skin irritation, consult a physician.

After eye contact:
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion:
Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. IF SWALLOWED: Immediately call a doctor. Do not allow a neutralisation agent to be drunk.

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

Following inhalation : Cough May cause respiratory irritation. Subsequent observance for pneumonia and lung oedema. Dyspnoea Following skin contact Causes skin irritation. After eye contact Irritating to eyes.Causes tears.

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Full water jet In case of fire, use foam. BC-powder Carbonic acid

5.2. Special hazards arising from the substance or mixture

In case of fire: Gases/vapours, corrosive Gases/vapours, toxic Phosphorus oxides Hydrogen chloride (HCl) Carbon monoxide Carbon dioxide (CO2) Nitrogen oxides (NOx) Danger of polymerisation In case of warming: Gases/vapours, combustible Gases/vapours, toxic In case of fire:Hydrogen cyanide (hydrocyanic acid)

5.3. Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers. Explosion risk in case of fire. Suppress gases/vapours/mists with water spray jet.

5.4. Additional information

Disposable gloves Full protection suit complete head, face and neck protection. In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical equipment.

Protective equipment:
Wear personal protection equipment (refer to section 8).

6.1.2. For emergency responders

Personal protection equipment:
Wear suitable protective clothing, gloves and eye/face protection.

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

6.3. Methods and material for containment and cleaning up
For containment:
Allow stiffening. Take up mechanically. Collect spillage. Clean contaminated articles and floor according to the environmental legislation. Wash contaminated clothing prior to re-use. Clear contaminated areas thoroughly. Acetone

6.4. Reference to other sections
Disposal: see section 13

6.5. Additional information
No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Protective measures
Advices on safe handling:
Use explosion-proof electrical/ventilating/lighting/.../ equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours are heavier than air.at 20°C. Advices on general occupational hygiene Avoid contact with skin. Take off immediately all contaminated clothing.

Advices on general occupational hygiene
When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Recommended storage temperature < 50 ° CProtect from sunlight. Store in a well-ventilated place. Provide room air exhaust at ground level. Technical measures and storage conditions: fireproof Store in a place accessible by authorized persons only.

Packaging materials:
AEROSOLS

Hints on storage assembly:
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Keep away from: Strong acid Strong alkali Amines

7.3. Specific end use(s)
No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	Diphenylmethandiisocyanat, Isomere und Homologe CAS No.: 9016-87-9	① 0.05 mg/m³ ② 0.05 mg/m³ ③ 0.1 mg/m³ ⑤ (als MDI berechnet), (einatembare Fraktion), kann über die Haut aufgenommen werden
TRGS 900 (DE)	propane CAS No.: 74-98-6	① 1,000 ppm (1,800 mg/m³) ② 4,000 ppm (7,200 mg/m³)
TRGS 900 (DE)	dimethyl ether CAS No.: 115-10-6	① 1,000 ppm (1,900 mg/m³) ② 8,000 ppm (15,200 mg/m³)
IOELV (EU)	dimethyl ether CAS No.: 115-10-6	① 1,000 ppm (1,920 mg/m³)
TRGS 900 (DE)	isobutane CAS No.: 75-28-5	① 1,000 ppm (2,400 mg/m³) ② 4,000 ppm (9,600 mg/m³)
TRGS 910 (DE)	buta-1,3-diene CAS No.: 106-99-0	① 0.2 ppm (0.5 mg/m³) ⑤ (Akzeptanzkonzentration (4E-5))
TRGS 910 (DE)	buta-1,3-diene CAS No.: 106-99-0	① 2 ppm (5 mg/m³) ② 16 ppm (40 mg/m³) ⑤ (Toleranzkonzentration (4E-3))

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
BOELV (EU)	buta-1,3-diene CAS No.: 106-99-0	① 1 ppm (2.2 mg/m³)

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
TRGS 910 (DE)	buta-1,3-diene CAS No.: 106-99-0	2,900 µg/g Creatinin	① 3,4-Dihydroxybutyl-merkaptursäure (DHB-MA) ② Urin ③ bei Langzeitexposition: Expositionsende bzw. Schichtende nach mehreren vorangegan genen Schichten ④ Äquivalenzwert zur Toleranzkonzentration
TRGS 910 (DE)	buta-1,3-diene CAS No.: 106-99-0	10 µg/g Cre atinin	① 2-Hydroxy-3-butenyl-merkaptursäure (MHB-MA) ② Urin ③ bei Langzeitexposition: Expositionsende bzw. Schichtende nach mehreren vorangegan genen Schichten ④ Äquivalenzwert zur Akzteptanzkonzentratio n
TRGS 910 (DE)	buta-1,3-diene CAS No.: 106-99-0	600 µg/g Cre atinin	① 3,4-Dihydroxybutyl-merkaptursäure (DHB-MA) ② Urin ③ bei Langzeitexposition: Expositionsende bzw. Schichtende nach mehreren vorangegan genen Schichten ④ Äquivalenzwert zur Akzeptanzkonzentration
TRGS 910 (DE)	buta-1,3-diene CAS No.: 106-99-0	80 µg/g Cre atinin	① 2-Hydroxy-3-butenyl-merkaptursäure (MHB-MA) ② Urin ③ bei Langzeitexposition: Expositionsende bzw. Schichtende nach mehreren vorangegan genen Schichten ④ Äquivalenzwert zur Toleranzkonzentration

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
tris(2-chloro-1-methylethyl) phosphate CAS No.: 13674-84-5	0.93 mg/m³	① DNEL worker ② inhalative, long-term, systemic
tris(2-chloro-1-methylethyl) phosphate CAS No.: 13674-84-5	0.23 mg/m³	① DNEL Consumer ② inhalative, long-term, systemic
tris(2-chloro-1-methylethyl) phosphate CAS No.: 13674-84-5	0.93 mg/m³	① DNEL worker ② inhalative, short-term, systemic, (acute)
tris(2-chloro-1-methylethyl) phosphate CAS No.: 13674-84-5	0.23 mg/m³	① DNEL Consumer ② inhalative, short-term, systemic, (acute)
tris(2-chloro-1-methylethyl) phosphate CAS No.: 13674-84-5	0.528 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
tris(2-chloro-1-methylethyl) phosphate CAS No.: 13674-84-5	0.528 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic

Substance name	DNEL value	① DNEL type ② Exposure route
tris(2-chloro-1-methylethyl) phosphate CAS No.: 13674-84-5	0.264 mg/kg bw/day	① DNEL Consumer ② dermal, long-term, systemic
tris(2-chloro-1-methylethyl) phosphate CAS No.: 13674-84-5	0.264 mg/kg bw/day	① DNEL Consumer ② Acute – dermal, systemic effects
tris(2-chloro-1-methylethyl) phosphate CAS No.: 13674-84-5	0.33 mg/kg bw/day	① DNEL Consumer ② oral, long-term, systemic
tris(2-chloro-1-methylethyl) phosphate CAS No.: 13674-84-5	0.33 mg/kg bw/day	① DNEL Consumer ② Acute – oral, systemic effects

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Use explosion-proof electrical/ventilating/lighting/.../ equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Room air monitoring If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

8.2.2. Personal protection equipment

Eye/face protection:

Wear eye/face protection.

Skin protection:

Tested protective gloves must be worn Polyethylene (PE) Breakthrough times and swelling properties of the material must be taken into consideration. : 10 Minuten Thickness of the glove material :0,025 mm complete head, face and neck protection.

Respiratory protection:

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Other protection measures:

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Aerosol **Colour:** not determined

Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	*No data available*			
Melting point	*No data available*			
Freezing point	*not determined*			
Initial boiling point and boiling range	*No data available*			
Decomposition temperature	*No data available*			
Flash point	*No data available*			
Evaporation rate	*No data available*			
Auto-ignition temperature	*not determined*			Extremely flammable aerosol.
Upper/lower flammability or explosive limits	*No data available*			The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Vapour pressure	*No data available*			
Vapour density	> 1			

parameter		at °C	Method	Remark
Density	≈ 950 kg/m³	20 °C		
Bulk density	*not determined*			
Water solubility	*not determined*			The substance is not soluble in water.Soluble in: Lösungsmittel
Partition coefficient: n-octanol/ water	*not determined*			
Dynamic viscosity	*No data available*			
Kinematic viscosity	*not determined*			

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration. This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

10.2. Chemical stability
The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions
Danger of polymerisation Strong acid, Strong alkali, Amines

10.4. Conditions to avoid
Use explosion-proof electrical/ventilating/lighting/.../ equipment. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

10.5. Incompatible materials
Strong acid Strong alkali Amines

10.6. Hazardous decomposition products
When hot, product develops flammable vapours. Gases/vapours, toxic Hydrogen cyanide (hydrocyanic acid) In case of fire: Formation of: Gases/vapours, toxic Phosphorus oxides Nitrogen oxides (NOx) Hydrogen chloride (HCl) Carbon monoxide Carbon dioxide (CO2)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
13674-84-5	tris(2-chloro-1-methylethyl) phosphate	**LD_{50} oral:** 1,011 mg/kg (Ratte) OECD 401 **LD_{50} dermal:** 2,000 mg/kg (Kaninchen) OECD 402 **LC_{50} Acute inhalation toxicity (gas):** 5 mg/l 4 h (Ratte) OECD 403
9016-87-9	Diphenylmethandiisocyanat, Isomere und Homologe	**LD_{50} oral:** >10,000 mg/kg (Ratte) OECD Guideline 401 **LD_{50} dermal:** >5,000 mg/kg (Kaninchen) **LC_{50} Acute inhalation toxicity (vapour):** >10 – <20 mg/l 4 h (Ratte)

Acute inhalation toxicity:
Irritation to respiratory tract

Skin corrosion/irritation:
May cause an allergic skin reaction.

Serious eye damage/irritation:
Causes serious eye irritation.

Respiratory or skin sensitisation:
Causes skin irritation.

STOT-single exposure:
Irritating to respiratory system. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Aspiration hazard:
Harmful

Additional information:
The substance has no ozone depleting potential.

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
13674-84-5	tris(2-chloro-1-methylethyl) phosphate	**LC_{50}:** 56.2 mg/l 4 d (fish, Brachydanio rerio) **EC_{50}:** =65 – 335 mg/l 2 d (crustaceans, Daphnia magna) OECD 202 **EC_{50}:** 73 mg/l 4 d (Algae/water plant, selenastrum capricornutum) OECD 201
9016-87-9	Diphenylmethandiisocyanat, Isomere und Homologe	**LC_{50}:** >1,000 mg/l 4 d Literaturstudie **EC_{50}:** >100 mg/l (Belebtschlamm) Literaturstudie
74-98-6	propane	**LC_{50}:** 24 mg/l 4 d (fish, Pisces) **EC_{50}:** 7 mg/l 2 d (crustaceans, Daphnia magna) **IC_{50}:** 8 mg/l 3 d (Algae/water plant, Algae) **EC_{50}:** 10 mg/l (Belebtschlamm)
115-10-6	dimethyl ether	**LC_{50}:** 1,000 mg/l 4 d (fish, Pisces) **LC_{50}:** 4,400 mg/l 2 d (crustaceans, Daphna magna)

12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
13674-84-5	tris(2-chloro-1-methylethyl) phosphate	not determined	OECD 301E: 14 % 28 d OECD 302C: 0% 28 d
9016-87-9	Diphenylmethandiisocyanat, Isomere und Homologe	No	OECD 302C: < 60 %
115-10-6	dimethyl ether	No	OECD 301A: DOC Die- Away Test 5 % 28 d; Halbwertszeit Boden 2/15/QSAR) Tage[e]

Biodegradation:
Some of the components are poorly biodegradable.

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K_{OW}	Bioconcentration factor (BCF)
13674-84-5	tris(2-chloro-1-methylethyl) phosphate	2.59	0.8 Species: cyprinus carpio
9016-87-9	Diphenylmethandiisocyanat, Isomere und Homologe		1 Species: pisces

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
13674-84-5	tris(2-chloro-1-methylethyl) phosphate	—
9016-87-9	Diphenylmethandiisocyanat, Isomere und Homologe	vPvB-substance.
74-98-6	propane	—
115-10-6	dimethyl ether	—
75-28-5	isobutane	—

12.6. Other adverse effects
Regulation (EC) No. 842/2006 on certain fluorinated greenhouse gases :not relevant
Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer ::nicht relevant

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal
Waste codes/waste designations according to EWC/AVV

Waste code product:

08 04 09 *	Waste adhesives and sealants containing organic solvents or other dangerous substances

*: Evidence for disposal must be provided.

Remark:
This material and its container must be disposed of as hazardous waste.

Waste code packaging:

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

*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Package:
Delivery to an approved waste disposal company.

Other disposal recommendations:
Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Do not allow to enter into surface water or drains. Safety, health and environmental regulations/legislation specific for the substance or mixture

13.2. Additional information
No data available

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS
14.3. Transport hazard class(es)			
 2.1	 2.1	 2.1	 2.1
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
No	No	No	No
14.6. Special precautions for user			
Special provisions: 190,327,344,625 **Limited quantity (LQ):** The Limited Quantity specifies the inner packaging size. Packages may not exceed 30 kg gross mass. **Excepted Quantities (EQ):** **Hazard identification number (Kemler No.):** **Classification code:** - **Remark:**	**Special provisions:** 190,327,344,625 **Limited quantity (LQ):** The Limited Quantity specifies the inner packaging size. Packages may not exceed 30 kg gross mass. **Excepted Quantities (EQ):** **Classification code:** - **Remark:**	**Special provisions:** 63,190,277,327,344,959 **Limited quantity (LQ):** The Limited Quantity specifies the inner packaging size. Packages may not exceed 30 kg gross mass. **Excepted Quantities (EQ):** **EmS-No.:** **Remark:**	**Special provisions:** A145,A167,A802 **Limited quantity (LQ):** The Limited Quantity specifies the inner packaging size. Packages may not exceed 30 kg gross mass. **Excepted Quantities (EQ):** **Remark:**

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not applicable

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):
Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

15.1.2. National regulations

[DE] National regulations

Technische Anleitung Luft (TA-Luft)

Klasse 1:
5.2.5

Water hazard class (WGK)

WGK:
1 - schwach wassergefährdend

Description:
Classification according to VwVwS, Annex 4.

Other regulations, restrictions and prohibition regulations
Contains: All ingredients of this mixture are (pre)registered according to REACH regulation. The substance/product is registered with strictly controlled conditions as defined in Article 18(4) of Regulation (EC) No. 1907/2006 (REACH Regulation) and must therefore be handled as such. : TRis(2-chlor-1-1methylethyl)phosphat, Methylendiphenyl-Diisocyanat(MDI)

15.2. Chemical Safety Assessment
For this substance a chemical safety assessment is not required.

15.3. Additional information
No data available

SECTION 16: Other information

16.1. Indication of changes
No data available

16.2. Abbreviations and acronyms
No data available

16.3. Key literature references and sources for data
Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (inhalative) *(Acute Tox. 4)*	H332: Harmful if inhaled.	
Aerosols *(Aerosol 1)*	H222; H229: Extremely flammable aerosol.; Pressurised container: May burst if heated.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Respiratory or skin sensitisation *(Skin Sens. 1B)*	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	
Carcinogenicity *(Carc. 2)*	H351: Suspected of causing cancer.	
STOT-repeated exposure *(STOT RE 2)*	H373: May cause damage to organs through prolonged or repeated exposure. (...)	
Respiratory or skin sensitisation *(Resp. Sens. 1)*	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H220	Extremely flammable gas.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H340	May cause genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure. (...)

16.6. Training advice
No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.