

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

1.1. Product identifier

Product form : Mixture
 Trade name : Thermo-Flex Thermo-Caulk
 Product code : TF Caulk

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
 Use of the substance/mixture : Single component, water-based, elastomeric sealant. It is a knife-grade caulking that when cured forms a tough, flexible membrane that seals out moisture.
 Use of the substance/mixture : For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Lapolla Industries, Inc.
 15402 Vantage Parkway East, Ste. 322
 Houston, Texas 77032
 Tel: +1 281 219 4100 , (877) 636-2648
 Email: sds@lapolla.com

1.4. Emergency telephone number

Emergency number : CARECHEM (866) 928-0789

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation Category 1B H314
 Serious eye damage/eye irritation, Category 1 H318
 Sensitisation — Skin, Category 1 H317
 Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Corrosive to eyes and skin. May cause sensitization by inhalation and skin contact.

2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazardous ingredients :

Solvent naphtha, petroleum, medium aliphatic; 3(2H)-Isothiazolone, 4,5-dichloro-2-octyl-

Hazard statements (CLP) :

H314 - Causes severe skin burns and eye damage
 H317 - May cause an allergic skin reaction
 H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) :

P260 - Do not breathe fume, mist, spray, vapours
 P264 - Wash hands, face thoroughly after handling
 P272 - Contaminated work clothing should not be allowed out of the workplace
 P273 - Avoid release to the environment
 P280 - Wear eye protection, protective gloves, protective clothing
 P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

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2.3. Other hazards

Other hazards which do not result in classification : Spilled material may present a slipping hazard. Spills may cause collapse or fall.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-Propanol, 1-phenoxy-	(CAS No) 770-35-4 (EC no) 212-222-7	<30	Eye Irrit. 2, H319
3(2H)-Isothiazolone, 4,5-dichloro-2-octyl-	(CAS No) 64359-81-5 (EC no) 264-843-8	5 - 8	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
Solvent naphtha, petroleum, medium aliphatic	(CAS No) 64742-88-7 (EC no) 265-191-7 (EC index no) 649-405-00-X	1 - 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Benzenesulfonic acid, C10-16-alkyl derivatives	(CAS No) 68584-22-5 (EC no) 271-528-9	<5	Eye Irrit. 2, H319
Poly(oxy-1,2-ethanediy), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	(CAS No) 9002-93-1 (EC no) 618-344-0	<1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention.

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.

First-aid measures after skin contact : Remove contaminated clothing and shoes. Wash hands with water and soap. Seek medical attention if irritation develops.

First-aid measures after eye contact : In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately get medical attention.

First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Immediately call a POISON CENTER or doctor/ physician. Give water to drink if victim completely conscious/alert. Never give anything by mouth to an unconscious person.

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

Symptoms/injuries : Causes severe skin burns and eye damage.

Symptoms/injuries after inhalation : Inhalation of mist or aerosol may cause irritation to nose and throat . In case of repeated or prolonged exposure : Lungs irritation. Dizziness, headaches, nausea.

Symptoms/injuries after skin contact : May cause an allergic skin reaction. Symptoms include redness, itching, and burning of the skin. May cause severe burns.

Symptoms/injuries after eye contact : Causes serious eye damage. Symptoms include stinging, watering, redness, and swelling.

Symptoms/injuries after ingestion : Abdominal pain, nausea. Vomiting.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO2), water, dry chemical powder, foam.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.

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Protective equipment for firefighters : Wear proper protective equipment. Wear a self contained breathing apparatus.
Other information : Prevent entry to sewers and public waters.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation. The vapour is heavier than air; beware of pits and confined spaces. Spilled material may present a slipping hazard. Stop leak if safe to do so. No action shall be taken involving any personal risk or without suitable training.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing. Refer to section 8.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Evacuate unnecessary personnel.

6.2. Environmental precautions

Do not discharge into drains or the environment. Relevant water authorities should be notified of any large spillage to water course or drain.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Wear proper protective equipment. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Collect all waste in suitable and labelled containers and dispose according to local legislation. Avoid static electricity discharges. Store away from other materials. Dispose of contents/container to comply with applicable local, national and international regulations.

6.4. Reference to other sections

For further information refer to section 8: Exposure-controls/personal protection. For disposal of residues refer to section 13 : Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Use only in well-ventilated areas. Avoid all eye and skin contact and do not breathe vapour and mist. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container closed when not in use. Take precautionary measures against static discharge. Ensure adequate ventilation.

Hygiene measures : Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practices. Wash exposed skin thoroughly with soap and water after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

Storage conditions : Keep out of reach of children. Keep container tightly closed in a cool place. Keep only in the original container in a cool, well-ventilated place away from highly flammable substances. Store away from direct sunlight or other heat sources. Avoid Freezing. PROTECT FROM FREEZING DURING SHIPMENT AND STORAGE. Do not store material at temperatures below 50 °F (10 °C).

Incompatible materials : Strong oxidizing agents. Acids. Base.

Storage temperature : The minimum recommended storage temperature for this material is between 55 °F (13 °C) and 90 °F (32 °C). Keep from freezing, material may coagulate

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Limestone (1317-65-3)		
Bulgaria	OEL TWA (mg/m ³)	10 mg/m ³ (containing <2% free Crystalline silicon dioxide in respirable fibrous particles fraction-inhalable fraction)
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	10 mg/m ³ (total dust)
Estonia	OEL TWA (mg/m ³)	5 mg/m ³ (respirable dust)
Greece	OEL TWA (mg/m ³)	5 mg/m ³ (respirable fraction)
Ireland	OEL (8 hours ref) (mg/m ³)	4 mg/m ³ respirable dust
United Kingdom	Local name	Calcium carbonate

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Limestone (1317-65-3)		
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ inhalable dust 4 mg/m ³ respirable 4 mg/m ³ Limestone, respirable 10 mg/m ³ Limestone, total inhalable 4 mg/m ³ Marble, respirable 10 mg/m ³ Marble, total inhalable
1,2-Propylene glycol (57-55-6)		
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	474 mg/m ³ (total particles and vapor) 10 mg/m ³ (particles)
Croatia	GVI (granična vrijednost izloženosti) (ppm)	150 ppm
Ireland	OEL (8 hours ref) (mg/m ³)	470 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m ³)	1410 mg/m ³ (calculated-total vapour and particulates) 30 mg/m ³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
Latvia	OEL TWA (mg/m ³)	7 mg/m ³
Lithuania	IPRV (mg/m ³)	7 mg/m ³
United Kingdom	Local name	Propane-1,2-diol
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ particulates 474 mg/m ³ total vapour and particulates
United Kingdom	WEL TWA (ppm)	150 ppm total vapour and particulates
Solvent naphtha, petroleum, medium aliphatic (64742-88-7)		
Sweden	nivågränsvärde (NVG) (mg/m ³)	180 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	250 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	75 ppm
Titanium dioxide (13463-67-7)		
Austria	MAK (mg/m ³)	5 mg/m ³ (alveolar dust, respirable fraction)
Austria	MAK Short time value (mg/m ³)	10 mg/m ³ (alveolar dust, respirable fraction)
Belgium	Limit value (mg/m ³)	10 mg/m ³
Bulgaria	OEL TWA (mg/m ³)	10,0 mg/m ³ (respirable dust)
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	10 mg/m ³ (total dust) 4 mg/m ³ (respirable dust)
Denmark	Grænseværdie (langvarig) (mg/m ³)	6 mg/m ³
Estonia	OEL TWA (mg/m ³)	5 mg/m ³
France	Local name	Titane (dioxyde de), en Ti
France	VME (mg/m ³)	10 mg/m ³
Greece	OEL TWA (mg/m ³)	10 mg/m ³ (inhalable fraction) 5 mg/m ³ (respirable fraction)
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (total inhalable dust) 4 mg/m ³ (respirable dust)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-total inhalable dust) 12 mg/m ³ (calculated-respirable dust)
Latvia	OEL TWA (mg/m ³)	10 mg/m ³
Lithuania	IPRV (mg/m ³)	5 mg/m ³
Poland	NDS (mg/m ³)	10,0 mg/m ³ (<2% free crystalline silica and containing no asbestos-inhalable fraction)
Portugal	OEL TWA (mg/m ³)	10 mg/m ³
Romania	OEL TWA (mg/m ³)	10 mg/m ³
Romania	OEL STEL (mg/m ³)	15 mg/m ³
Spain	VLA-ED (mg/m ³)	10 mg/m ³
Sweden	nivågränsvärde (NVG) (mg/m ³)	5 mg/m ³ (total dust)
United Kingdom	Local name	Titanium dioxide
United Kingdom	WEL TWA (mg/m ³)	4 mg/m ³ respirable 10 mg/m ³ total inhalable

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Titanium dioxide (13463-67-7)		
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-total inhalable) 12 mg/m ³ (calculated-respirable)
Silica, amorphous (7631-86-9)		
Austria	MAK (mg/m ³)	4 mg/m ³ (also Silica manufactured through wet process-inhalable fraction)
Czech Republic	Expoziční limity (PEL) (mg/m ³)	0,1 mg/m ³ (respirable fraction) 4,0 mg/m ³
Estonia	OEL TWA (mg/m ³)	2 mg/m ³ (respirable dust)
Finland	HTP-arvo (8h) (mg/m ³)	5 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	4 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Ireland	OEL (8 hours ref) (mg/m ³)	6 mg/m ³ (total inhalable dust) 2,4 mg/m ³ (respirable dust)
Ireland	OEL (15 min ref) (mg/m ³)	7,2 mg/m ³ (cacluated, respirable dust)
Latvia	OEL TWA (mg/m ³)	1 mg/m ³
Slovakia	NPHV (priemerná) (mg/m ³)	4,0 mg/m ³ (total aerosol)
Slovenia	OEL TWA (mg/m ³)	0,3 mg/m ³ (respirable fraction, fume)
United Kingdom	WEL TWA (mg/m ³)	6 mg/m ³ (inhalable dust) 2,4 mg/m ³ (respirable dust)
United Kingdom	WEL STEL (mg/m ³)	18 mg/m ³ (calculated-inhalable dust) 7,2 mg/m ³ (calculated-respirable dust)
Aluminum hydroxide (Al(OH)3) (21645-51-2)		
Austria	MAK (mg/m ³)	5 mg/m ³ (respirable fraction)
Austria	MAK Short time value (mg/m ³)	10 mg/m ³ (respirable fraction)
Latvia	OEL TWA (mg/m ³)	6 mg/m ³
Lithuania	IPRV (mg/m ³)	6 mg/m ³
Poland	NDS (mg/m ³)	2,5 mg/m ³ (inhalable fraction) 1,2 mg/m ³ (respirable fraction)
Slovakia	NPHV (priemerná) (mg/m ³)	1,5 mg/m ³

8.2. Exposure controls

Appropriate engineering controls	: Provide adequate ventilation. Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Personal protective equipment	: An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits. Protective goggles. Gloves. Protective clothing. For certain operations, additional Personal Protection Equipment (PPE) may be required. Respiratory protection of the dependent type.
Hand protection	: Wear protective gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Chemical resistant PVC gloves (to European standard EN 374 or equivalent)
Eye protection	: Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles. Contact lenses should not be worn. Chemical goggles should be consistent with EN166 or equivalent
Skin and body protection	: Long sleeved protective clothing. Personal protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling
Respiratory protection	: An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits. Use an approved air purifying respirator equipped with an ammonia/methylamine cartridge.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: White or colors.
Odour	: Slight odour.
Odour threshold	: No data available
pH	: 8,5 - 9,5
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 100 °C (212 °F)
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: Heavier than air
Relative density	: No data available
Density	: 1,45 - 1,47 Specific Gravity
Solubility	: soluble in water. Water: Soluble
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: 20,1 g/l (0.17 lb/gal)
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable at normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid Freezing. Heat, open flame, sparks, hot surfaces, ignition sources, elevated temperature . Avoid exposure to temperatures above 150 °F (65.6 °C) May emit toxic materials when heated to 350° F (177 °C) or above.

10.5. Incompatible materials

Strong oxidizing agents. Acids. Base.

10.6. Hazardous decomposition products

Hazardous combustion products : Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons and oxides of sulfur, phosphorus, zinc and/or nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy- (9002-93-1)

LD50 oral rat	1800 mg/kg
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Solvent naphtha, petroleum, medium aliphatic (64742-88-7)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	3000 mg/kg
LC50 inhalation rat (mg/l)	> 5,28 mg/l/4h

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2-Propanol, 1-phenoxy- (770-35-4)	
LD50 oral rat	2830 mg/kg

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
LD50 oral rat	1450 mg/kg
LD50 dermal rat	9500 mg/kg

Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 8,5 - 9,5
Serious eye damage/irritation	: Causes serious eye damage. pH: 8,5 - 9,5
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on concentration of components in the mixture, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)	
EC50 96h algae (1)	450 mg/l (Species: Pseudokirchneriella subcapitata)
ErC50 (algae)	> 1 mg/l 72 hours

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)	
BCF fish 1	(bioaccumulation expected)

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
Log Pow	2 (at 23 °C)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy- (9002-93-1)	This substance/mixture meets the PBT criteria of REACH regulation, annex XIII This substance/mixture meets the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects : Prevent entry to sewers and public waters.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose of contents/container to comply with applicable local, national and international regulations. Consult the appropriate authorities about waste disposal.
Additional information	: Do not re-use empty containers. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources.
Ecology - waste materials	: Avoid release to the environment. Do not allow into drains or water courses.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR)	: 1760
UN-No. (IMDG)	: 1760
UN-No. (IATA)	: 1760

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UN-No. (ADN) : 1760

UN-No. (RID) : 1760

14.2. UN proper shipping name

Proper Shipping Name (ADR) : CORROSIVE LIQUID, N.O.S.

Proper Shipping Name (IMDG) : CORROSIVE LIQUID, N.O.S.

Proper Shipping Name (IATA) : Corrosive liquid, n.o.s.

Proper Shipping Name (ADN) : CORROSIVE LIQUID, N.O.S.

Proper Shipping Name (RID) : CORROSIVE LIQUID, N.O.S.

Transport document description : UN 1760 CORROSIVE LIQUID, N.O.S. (3(2H)-Isothiazolone, 4,5-dichloro-2-octyl-), 8, II, (E)

Transport document description (IMDG) : UN 1760 CORROSIVE LIQUID, N.O.S. (3(2H)-Isothiazolone, 4,5-dichloro-2-octyl-), 8, II

Transport document description (IATA) : UN 1760 Corrosive liquid, n.o.s. (3(2H)-Isothiazolone, 4,5-dichloro-2-octyl-), 8, II

Transport document description (ADN) : UN 1760 CORROSIVE LIQUID, N.O.S. (3(2H)-Isothiazolone, 4,5-dichloro-2-octyl-), 8, II

Transport document description (RID) : UN 1760 CORROSIVE LIQUID, N.O.S. (3(2H)-Isothiazolone, 4,5-dichloro-2-octyl-) (3(2H)-Isothiazolone, 4,5-dichloro-2-octyl-), 8, II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 8

Danger labels (ADR) : 8



IMDG

Transport hazard class(es) (IMDG) : 8

Danger labels (IMDG) : 8



IATA

Transport hazard class(es) (IATA) : 8

Hazard labels (IATA) : 8



ADN

Transport hazard class(es) (ADN) : 8

Danger labels (ADN) : 8



RID

Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8

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14.4. Packing group

Packing group (ADR)	: II
Packing group (IMDG)	: II
Packing group (IATA)	: II
Packing group (ADN)	: II
Packing group (RID)	: II

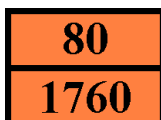
14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	: C9
Special provisions (ADR)	: 274
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02
Mixed packing provisions (ADR)	: MP15
Portable tank and bulk container instructions (ADR)	: T11
Portable tank and bulk container special provisions (ADR)	: TP2, TP27
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 2
Hazard identification number (Kemler No.)	: 80
Orange plates	:



Tunnel restriction code (ADR)	: E
EAC code	: 2X
APP code	: B

- Transport by sea

Special provisions (IMDG)	: 274
Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP2, TP27
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: B
Stowage and handling (IMDG)	: SW2
Properties and observations (IMDG)	: Causes burns to skin, eyes and mucous membranes.

- Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y840
PCA limited quantity max net quantity (IATA)	: 0.5L

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PCA packing instructions (IATA)	: 851
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 855
CAO max net quantity (IATA)	: 30L
Special provisions (IATA)	: A3
ERG code (IATA)	: 8L

- Inland waterway transport

Classification code (ADN)	: C9
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0

- Rail transport

Classification code (RID)	: C9
Special provisions (RID)	: 274
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001, IBC02
Mixed packing provisions (RID)	: MP15
Portable tank and bulk container instructions (RID)	: T11
Portable tank and bulk container special provisions (RID)	: TP2, TP27
Tank codes for RID tanks (RID)	: L4BN
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE6
Hazard identification number (RID)	: 80

14.7. Transport in bulk according to Annex II of MARPOL 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-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] (EC 618-344-0, CAS 9002-93-1)

Contains no REACH Annex XIV substances

VOC content : 20,1 g/l (0.17 lb/gal)

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Thermo-Flex Thermo-Caulk

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product
Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material
The requirements from the Danish Working Environment Authorities regarding work with epoxy resins and isocyanates must be observed during use and disposal

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Date of Preparation : May 4, 2016

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

SDS EU (REACH Annex II)

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