

Safety Data Sheet

PRIMER FD

Safety Data Sheet dated: 10/01/2020 - version 1



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

1.1. Product identifier

Mixture identification:

Trade name: PRIMER FD

Trade code: 019152

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

Recommended use: Solvent-borne primer

Uses advised against: N.A.

1.3. Details of the supplier of the safety data sheet

Company: MAPEI S.p.A. - Via Cafiero, 22 - 20158 Milano

Tel: +39-02-376731

Fax: +39-02-37673.214

Responsible: sicurezza@mapei.it

1.4. Emergency telephone number

Poison Centre - Ospedale di Niguarda - Milan - Tel. +39/02/66101029

MAPEI S.p.A. - Tel. +(39)02376731 - (office hours)

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Flam. Liq. 2	Highly flammable liquid and vapour.
Skin Irrit. 2	Causes skin irritation.
Eye Irrit. 2	Causes serious eye irritation.
Repr. 2	Suspected of damaging the unborn child.
STOT SE 3	May cause drowsiness or dizziness.
STOT RE 2	May cause damage to organs through prolonged or repeated exposure .
Asp. Tox. 1	May be fatal if swallowed and enters airways.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) n. 1272/2008 (CLP)

Pictograms and Signal Words



Danger

Hazard statements:

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

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapours.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER.
P310 Immediately call a POISON CENTER.
P331 Do NOT induce vomiting.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains:

acetone; propan-2-one; propanone
toluene

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT/vPvB Ingredients are present

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: PRIMER FD

Hazardous components within the meaning of the CLP regulation and related classification:

Quantity	Name	Ident. Numb.	Classification	Registration Number
≥50 - <75 %	acetone; propan-2-one; propanone	CAS:67-64-1 EC:200-662-2 Index:606-001-00-8	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	01-2119471330-49-XXXX
≥10 - <20 %	toluene	CAS:108-88-3 EC:203-625-9 Index:601-021-00-3	Flam. Liq. 2, H225; Repr. 2, H361d; Asp. Tox. 1, H304; STOT RE 2, H373; Skin Irrit. 2, H315; STOT SE 3, H336	01-2119471310-51-XXXX
≥1 - <2.5 %	tetraethyl silicate; ethyl silicate	CAS:78-10-4 EC:201-083-8 Index:014-005-00-0	Flam. Liq. 3, H226; Eye Irrit. 2, H319; STOT SE 3, H335; Acute Tox. 4, H332	01-2119496195-28-0000

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

Skin Irritation

Erythema

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:
(see paragraph 4.1)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

List of components with OEL value

Component	OEL Type	Country	Ceiling	Long Term mg/m ³	Long Term ppm	Short Term mg/m ³	Short Term ppm	Behaviour	Note
acetone; propan-2-one; propanone	SUVA	NNN		1200	500	2400	1000		
	National	SWEDEN		600	250	1200	500		SWEDEN, 5 minutes av

National	FINLAND		1200	500	1500	630	
National	NORWAY		295	125			
NDS	NNN		600				
NDSCh	NNN		1800				
National	NORWAY		600	250	1200	500	
EU	NNN		1210	500			
ACGIH	NNN			250		500	A4, BEI - U impair
DFG	GERMANY	C			2400	1000	
ACGIH				250		500	A4 - Not C Carcinogen and upper irritation
National	SWEDEN		600	250			
National	FRANCE		1210	500	2420	1000	
National	SPAIN		1210	500			
National	GREECE		1780		3560		
National	DENMARK		600	250			
National	GERMANY		1200	500			
National	PORTUGAL		1210	500		750	
National	NORWAY		295	125	368,75	156,25	
National	BELGIUM		1210	500	2420	1000	
NDS	POLAND		600				
NDSCh	POLAND				1800		
CHE	SWITZERLAN D				2400	1000	
NDS	NETHERLAND S		1210		2420		
National	CZECHIA		800				
National	HUNGARY		1210		2420		
Malaysi a OEL	MALAYSIA		1187	500			
National	ESTONIA		1210	500			
National	LATVIA		1210	500			
National	CZECHIA	C			1500		
National	SLOVAKIA		1210	500			
National	SLOVENIA		1210	500			
National	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND		1210	500	3620	1500	
National	BULGARIA		600		1400		
National	ROMANIA		1210	500			
TUR	TURKEY		1210	500			
National	LITHUANIA		1210	500	2420	1000	
National	CROATIA		1210	500			
EU			1210	500			Indicative
toluene	SUVA	NNN	190	50	760	200	
National	SWEDEN		192	50	384	100	SWEDEN, 5 minutes av
National	FINLAND		81	25	380	100	FINLAND, 1
National	NORWAY		94	25			NORWAY, 1
NDS	NNN		100				

NDSch	NNN		200					
National	NORWAY		94	25	188	50		
EU	NNN		192	50	384	100		Skin
ACGIH	NNN			20				A4, BEI - V repro, pres
DFG	GERMANY	C			760	200		
ACGIH				20				A4 - Not C Carcinogen damage;pr impairmen
National	SWEDEN		192	50				
EU			192	50	384	100	Indicative	Possibility through th
National	FRANCE		76,8	20	384	100		
National	SPAIN		192	50	384	100		
National	GREECE		192	50	384	100		
National	DENMARK		94	25				
National	FINLAND		81	25	380	100		
National	GERMANY		190	50				
National	PORTUGAL		192	50	384	100		
National	NORWAY		94	25	141	37,5		
National	BELGIUM		77	20	384	100		
NDS	POLAND		100					
NDSch	POLAND				200			
CHE	SWITZERLAN D				760	200		
NDS	NETHERLAND S		150		384			
National	CZECHIA		200					
National	HUNGARY		190		380			
Malaysi a OEL	MALAYSIA		188	50				Skin notati
National	ESTONIA		192	50	384	100		
National	LATVIA		50	14	150	40		
National	CZECHIA	C			500			
National	SLOVAKIA	C			384			
National	SLOVAKIA		192	50				
National	SLOVENIA		192	50	384	100		
National	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND		191	50	384	100		
National	BULGARIA		192,0	50	384,0	100		
National	ROMANIA		192	50	384	100		
TUR	TURKEY		192	50	384	100		
National	LITHUANIA		192	50	384	100		
National	CROATIA		192	50	384	100		
tetraethyl silicate; ethyl silicate	SUVA	NNN	85	10	85	10		
National	FINLAND		86	10	170	20		
National	NORWAY		85	10				
NDS	NNN		80					
ACGIH	NNN			10				URT and ev
National	NORWAY		85	10	170	20		

DFG	GERMANY	C			86	10
ACGIH				10		
National	SWEDEN		44	5		
National	FRANCE		85	10		
National	SPAIN		44	5		
National	GREECE		44	5		
National	DENMARK		44	5		
National	FINLAND		43	5	86	10
National	GERMANY		12	1,4		
National	PORTUGAL			10		
National	NORWAY		44	5	66	10
National	BELGIUM		86	10		
NDS	POLAND		44			
CHE	SWITZERLAND				85	10
NDS	NETHERLANDS		44			
National	CZECHIA		50			
National	HUNGARY		44			
Malaysia OEL	MALAYSIA		85	10		
National	ESTONIA		44	5		
National	LATVIA		44	5		
National	CZECHIA	C			200	
National	SLOVAKIA		44	5		
National	SLOVENIA		170	20	170	20
National	BULGARIA		44	5		
National	ROMANIA		44	5		
National	LITHUANIA		44	5		
National	CROATIA		44	5		

eye and up
irritation;k

Biological Exposure Index

CAS-No.	Component	Value	UoM	Medium	Biological Indicator	Sampling Period
67-64-1	acetone; propan-2-one; propanone	25	mg/L	Urine	Acetone	End of turn
108-88-3	toluene	0,02	mg/L	Blood	Toluene	Before last turn of the working week
		0,03	mg/L	Urine	Toluene	End of turn
		0,3	MGGCREAT	Urine	O-Cresol	End of turn

Predicted No Effect Concentration (PNEC) values

Component	CAS-No.	PNEC LIMIT	Exposure Route	Exposure Frequency	Remark
acetone; propan-2-one; propanone	67-64-1	30,4 mg/kg	Freshwater sediments		
		3,04 mg/kg	Marine water sediments		
		10,6 mg/l	Fresh Water		
		1,06 mg/l	Marine water		
		29,5 mg/l	Soil		

		100 mg/l	Microorganisms in sewage treatments	
toluene	108-88-3	16,39 mg/kg	Freshwater sediments	PNEC
		2,31 mg/kg	Soil	PNEC
		16,39 mg/kg	Marine water sediments	PNEC
		0,68 mg/l	Fresh Water	PNEC
		0,68 mg/l	Marine water	PNEC
		0,68 mg/l	Intermittent release	PNEC
		6,58 mg/l	Microorganisms in sewage treatments	
tetraethyl silicate; ethyl silicate	78-10-4	0,192 mg/l	Fresh Water	
		0,0192 mg/l	Marine water	
		0,18 mg/kg	Freshwater sediments	
		0,018 mg/kg	Marine water sediments	
		0,05 mg/kg	Soil	
		4000 mg/l	Microorganisms in sewage treatments	
		10 mg/l	Intermittent release	

Derived No Effect Level. (DNEL)

Component	CAS-No.	Worker Industrial	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
acetone; propan-2-one; propanone	67-64-1	186 mg/kg			Human Dermal	Long Term, systemic effects	
		2420 mg/m3			Human Inhalation	Short Term, systemic effects	
		1210 mg/m3			Human Inhalation	Long Term, systemic effects	
			62 mg/kg		Human Oral	Long Term, systemic effects	
			62 mg/kg		Human Dermal	Long Term, systemic effects	
			200 mg/m3		Human Inhalation	Long Term, systemic effects	
toluene	108-88-3	2420 mg/m3			Human Inhalation	Short Term, local effects	
		384 mg/m3		226 mg/kg	Human Dermal	Long Term, systemic effects	
		192 mg/m3		56,5 mg/m3	Human Inhalation	Long Term, systemic effects	

			8,13 mg/kg	Human Oral	Long Term, systemic effects
			226 mg/kg	Human Dermal	Long Term, systemic effects
tetraethyl silicate; ethyl silicate	78-10-4	12,1 mg/kg	8,4 mg/kg	Human Dermal	Short Term, systemic effects
		12,1 mg/kg	8,4 mg/kg	Human Dermal	Long Term, systemic effects
		85 mg/m3	25 mg/m3	Human Inhalation	Short Term, systemic effects
		85 mg/m3	25 mg/m3	Human Inhalation	Short Term, local effects
		85 mg/m3	25 mg/m3	Human Inhalation	Long Term, systemic effects
		85 mg/m3	25 mg/m3	Human Inhalation	Long Term, local effects

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; EN 374:

Polychloroprene - CR: thickness $\geq 0,5$ mm; breakthrough time ≥ 480 min.

Nitrile rubber - NBR: thickness $\geq 0,35$ mm; breakthrough time ≥ 480 min.

Butyl rubber - IIR: thickness $\geq 0,5$ mm; breakthrough time ≥ 480 min.

Fluorinated rubber - FKM: thickness $\geq 0,4$ mm; breakthrough time ≥ 480 min.

Neoprene gloves are suggested (0,5 mm) not recommended gloves: not waterproof gloves

Respiratory protection:

Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

In case of insufficient ventilation use mask with ABEKP filters (EN 14387).

Use adequate protective respiratory equipment.

Hygienic and Technical measures

N.A.

Appropriate engineering controls:

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: Liquid colourless

Odour: solvent like

Odour threshold: N.A.

pH: 7.00

Melting point / freezing point: N.A.

Initial boiling point and boiling range: 56 °C (133 °F)

Flash point: -18 °C (0 °F)

Evaporation rate: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: 2.0

Vapour pressure: 23.00

Relative density: 0.90 g/cm³

Solubility in water: 900 g/l (20°C)

Partition coefficient (n-octanol/water): N.A.

- This product is a mixture

Auto-ignition temperature: 540.00 °C

- No explosive or spontaneous ignition in contact with air at room temperature

Decomposition temperature: N.A.

Viscosity: N.A.

Kinematic viscosity: 14 < Kv < 20.5

Explosive properties: 2.3%-13.0% - No components with explosive properties

Oxidizing properties: N.A. - No component with oxidizing properties

Solid/gas flammability: N.A.

9.2. Other information

No additional information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

acetone; propan-2-one; propanone	a) acute toxicity	LD50 Oral Rat = 5800 mg/kg LD50 Skin Rabbit = 20000 mg/kg LC50 Inhalation Rat = 76 mg/l 4h LD50 Skin Rabbit > 15700 mg/kg LC50 Inhalation Rat = 50100 mg/m ³ 8h LD50 Oral Rat = 5800 mg/kg
toluene	a) acute toxicity	LC50 Inhalation Mouse = 5320 ppm LD50 Oral Rat = 5580 mg/kg LD50 Skin Rabbit = 12124 mg/kg LC50 Inhalation Rat 28,1 mg/l 4h LD50 Skin Rabbit = 12000 mg/kg LC50 Inhalation Rat = 12,5 mg/l 4h LD50 Oral Rat = 2600 mg/kg
tetraethyl silicate; ethyl silicate	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg LC50 Inhalation Rat = 10 mg/l 4h LC50 Inhalation Rat > 16,8 mg/l 4h LD50 Skin Rabbit = 5878 mg/kg LD50 Oral Rat = 6270 mg/kg
	g) reproductive toxicity	NOAEL Oral Rat > 100 mg/kg NOAEL Oral Rat = 50 mg/kg
	h) STOT-single exposure	Respiratory Tract Irritant Inhalation Positive
	i) STOT-repeated exposure	NOAEL Oral Rat = 10 mg/kg NOAEL Oral Rat = 50 mg/kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- k) Toxicological kinetics, metabolism and distribution information
- i) STOT-repeated exposure
- j) aspiration hazard

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
acetone; propan-2-one; propanone	CAS: 67-64-1 - EINECS: 200-662-2 - INDEX: 606-001-00-8	<ul style="list-style-type: none"> a) Aquatic acute toxicity : EC50 Daphnia = 6100 mg/L 48 a) Aquatic acute toxicity : LC50 Fish = 5540 mg/L 96 a) Aquatic acute toxicity : EC50 Algae = 302 mg/L 96 a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96 a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 4,74 mL/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 6210 mg/L 96h IUCLID a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 8300 mg/L 96h EPA a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 10294 mg/L 48h EPA a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 12600 mg/L 48h IUCLID G : LC50 Avian Phasianus colchicus > 40000 ppm 5d IUCLID G : LC50 Avian Coturnix coturnix japonica > 40000 ppm 5d IUCLID d) Terrestrial toxicity : LC50 Worm Eisenia foetida 200 µg/cm2 48h IUCLID
toluene	CAS: 108-88-3 - EINECS: 203-625-9 - INDEX: 601-021-00-3	<ul style="list-style-type: none"> a) Aquatic acute toxicity : LC50 Daphnia = 3,78 mg/L 48 a) Aquatic acute toxicity : EC50 Fish = 57,68 mg/L 96 a) Aquatic acute toxicity : EC50 Algae = 134 mg/L 3 a) Aquatic acute toxicity : LC50 Fish = 5,5 mg/L 96 a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 15,22 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 12,6 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 5,89 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 14,1 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 5,8 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus 11 mg/L 96h EPA

- a) Aquatic acute toxicity : LC50 Fish Oryzias latipes = 54 mg/L 96h EPA
- a) Aquatic acute toxicity : LC50 Fish Poecilia reticulata = 28,2 mg/L 96h EPA
- a) Aquatic acute toxicity : LC50 Fish Poecilia reticulata 50,87 mg/L 96h EPA
- a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 5,46 mg/L 48h EPA
- a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 11,5 mg/L 48h IUCLID
- a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata > 433 mg/L 96h IUCLID
- a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata = 12,5 mg/L 72h EPA

tetraethyl silicate; ethyl silicate CAS: 78-10-4 -
EINECS: 201-
083-8 - INDEX:
014-005-00-0

- a) Aquatic acute toxicity : LC50 Fish > 245 mg/L 96

- a) Aquatic acute toxicity : EC50 Daphnia > 75 mg/L 48
- a) Aquatic acute toxicity : EC50 Algae > 100 mg/L 72

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT/vPvB Ingredients are present

12.6. Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

A waste code according to European waste catalogue (EWC) cannot be specified, due to dependence on the usage. Contact an authorized waste disposal service.

Product:

Do not dispose of waste into sewers.

Do not contaminate ponds, waterways or ditches with chemical or used container.

Send to an authorized waste disposal service.

Contaminated packaging:

Empty remaining content.

Dispose of as unused product.

Do not re-use empty containers.

SECTION 14: Transport information

14.1. UN number

1263

14.2. UN proper shipping name

ADR-Shipping Name: PAINT RELATED MATERIAL

IATA-Technical name: PAINT RELATED MATERIAL

IMDG-Technical name: PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR-Class: 3

IATA-Class: 3

IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

14.5. Environmental hazards

Marine pollutant: No

Environmental Pollutant: No

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR exempt: No

ADR-Label: 3

ADR-Hazard identification number: NA

ADR-Special Provisions: 163 367 640C 650

ADR-Transport category (Tunnel restriction code): 2 (D/E)

Air (IATA):

IATA-Passenger Aircraft: 353

IATA-Cargo Aircraft: 364

IATA-Label: 3

IATA-Subsidiary hazards: -

IATA-Erg: 3L

IATA-Special Provisions: A3 A72 A192

Sea (IMDG):

IMDG-Stowage Code: Category B

IMDG-Stowage Note: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisions: 163 367

IMDG-Page: N/A

IMDG-Label: N/A

IMDG-EMS: F-E, S-E

IMDG-MFAG: N/A

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

N.A.

SECTION 15: Regulatory information

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

VOC (2004/42/EC) : N.A. g/l

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EU) 2015/830

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1	Lower-tier threshold (tonnes)	Upper-tier threshold (tonnes)
Products belongs to category P5c	5000	50000

German Water Hazard Class.

2

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40

Restrictions related to the substances contained: 48

SVHC Substances:

No Data Available

MAL-kode: 4-3 (1993)

15.2. Chemical safety assessment

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

SECTION 16: Other information

Code	Description
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure .

Code	Hazard class and hazard category	Description
2.6/2	Flam. Liq. 2	Flammable liquid, Category 2
2.6/3	Flam. Liq. 3	Flammable liquid, Category 3
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.7/2	Repr. 2	Reproductive toxicity, Category 2
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
3.9/2	STOT RE 2	Specific target organ toxicity — repeated exposure, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
2.6/2	On basis of test data
3.2/2	Calculation method
3.3/2	Calculation method
3.7/2	Calculation method
3.8/3	Calculation method
3.9/2	Calculation method
3.10/1	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)
BCF: Biological Concentration Factor
BEI: Biological Exposure Index
BOD: Biochemical Oxygen Demand
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CAV: Poison Center
CE: European Community
CLP: Classification, Labeling, Packaging.
CMR: Carcinogenic, Mutagenic and Reprotoxic
COD: Chemical Oxygen Demand
COV: Volatile Organic Compound
CSA: Chemical Safety Assessment
CSR: Chemical Safety Report
DMEL: Derived Minimal Effect Level
DNEL: Derived No Effect Level.
DPD: Dangerous Preparations Directive
DSD: Dangerous Substances Directive
EC50: Half Maximal Effective Concentration
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances.
ES: Exposure Scenario
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50: half maximal inhibitory concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
IRCCS: Scientific Institute for Research, Hospitalization and Health Care
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration.
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.