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

1.1. Product identifier

Mixture identification:

Trade name: SLOW THINNER FOR POLYURETHANE

Trade code: D1079

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

Recommended use: Thinner/Solvent for professional/industrial use

Uses advised against: N.A.

1.3. Details of the supplier of the safety data sheet

Company: INDUSTRIA CHIMICA ADRIATICA S.P.A.
Via S. Pertini, 52
62012 Civitanova Marche (MC) Italy
tel: +39 0733 8080
fax: +39 0733 808140

Responsable: regulatoryaffairs@icaspa.com - INDUSTRIA CHIMICA ADRIATICA S.p.A.

1.4. Emergency telephone number

Anti-poison centre - Hospital of Florence (24/24 hours)

Telephone +39 055 794 7819

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.
Eye Irrit. 2	Causes serious eye irritation.
STOT SE 3	May cause drowsiness or dizziness.
Aquatic Chronic 3	Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Pictograms and Signal Words

Danger

Hazard statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P370+P378	In case of fire: Use ... to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.

Contains

n-butyl acetate

1-Etossi-2-Propilacetato

2-butanone

Idrocarburi,C9, aromatici

Dir. 2004/42/EC (VOC directive)

This product contains max 861 g/l VOC.

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

2.3. Other hazards

No PBT Ingredients are present

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: SLOW THINNER FOR POLYURETHANE

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

Qty	Name	Ident. Numb.	Classification	Registration Number
35-50 %	n-butyl acetate	CAS:123-86-4 EC:204-658-1 Index:607-025-00-1	DxPhrase: x; Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	01-2119485493-29-XXXX
25-35 %	1-Etossi-2-Propilacetato	CAS:98516-30-4 EC:259-370-9 Index:603-177-00-8	Flam. Liq. 3, H226; STOT SE 3, H336	01-2119475116-39-XXXX
10-15 %	Acetato di 1-metil-2-metossietile	CAS:108-65-6 EC:203-603-9 Index:607-195-00-7	Flam. Liq. 3, H226	01-2119475791-29-XXXX
10-15 %	2-butanone	CAS:78-93-3 EC:201-159-0 Index:606-002-00-3	DxPhrase: x; Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	01-2119457290-43-XXXX
5-10 %	Idrocarburi,C9, aromatici	CAS:64742-95-6 EC:918-668-5	DxPhrase: x; Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H335; STOT SE 3, H336; Aquatic Chronic 2, H411; Aquatic Chronic 2, H411, EUH066	01-2119455851-35-XXXX
< 5%	2-butoxyethanol	CAS:111-76-2 EC:203-905-0 Index:603-014-00-0	Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 4, H332	01-2119475108-36-XXXX

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 immediatley and dispose off 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 opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

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

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

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).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire: Use ... to extinguish.

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 .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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.

See protective measures under point 7 and 8.

6.2. Environmental precautions

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

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

6.3. Methods and material for containment and cleaning up

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

Wash with plenty of water.

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, inhaltion 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.

Contamined 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

Always keep in a well ventilated place.

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.

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

Community Occupational Exposure Limits (OEL)

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Notes
n-butyl acetate	NATIONAL	ALBANIA	C	300	62	600	124	
	NATIONAL	BELARUS	C	950		950		
	NATIONAL	BOSNIA AND HERZEGOVINA	C	720	150	960	200	
	NATIONAL	BHUTAN	C	200		950		
	NATIONAL	AZERBAIJAN	C	710	150	950	200	
	NATIONAL	ANTIGUA AND BARBUDA	C	710	150	1420	300	
	NATIONAL	BELIZE	C	715	150	950	200	
	NATIONAL	ARGENTINA	C	724	150	965	200	
	NATIONAL	AFGHANISTAN	C	723	150	964	200	
	NATIONAL	ANGUILLA	C	710	150	940	200	
	NATIONAL	ARMENIA	C	724	150	966	200	
1-Etossi-2-Propilacetato	EU		C	300	50			
Acetato di 1-metil-2-metossietile	EU		C	275	50	550	100	
	NATIONAL	BARBADOS	C	270	50			
	NATIONAL	ANTIGUA AND BARBUDA	C	275	50	550	100	
	NATIONAL	ANTARCTICA	C	275	50	550	100	
2-butanone	NATIONAL	ALBANIA	C	600	200	600	200	
	NATIONAL	BELARUS	C	600		900		
	NATIONAL	BOSNIA AND HERZEGOVINA	C			300	100	
	NATIONAL	BHUTAN	C	450		900		
	NATIONAL	AUSTRIA	C	150	50	300	100	
	EU		C	600	200	900	300	
	NATIONAL	AZERBAIJAN	C	600	200	900	300	
	NATIONAL	ANTIGUA AND BARBUDA	C	145	50	290	100	
	NATIONAL	BARBADOS	C	220	75			
	ACGIH		C		200		300	
	NATIONAL	ARGENTINA	C	600	200	900	300	
	NATIONAL	ANTARCTICA	C	600	200	900	300	
	NATIONAL	AFGHANISTAN	C	600	200	900	300	
	NATIONAL	ANGUILLA	C	600	200	900	300	
	NATIONAL	ARMENIA	C	600	200	899	300	
Idrocarburi,C9, aromatici	EU		C	100	20			
2-butoxyethanol	EU		C	98	20	246	50	
	NATIONAL	BARBADOS	C	50	10			
	NATIONAL	ANTIGUA AND BARBUDA	C	98	20	196	40	

Predicted No Effect Concentration (PNEC) values

Component	CAS-No.	PNEC LIMIT	Exposure Route	Exposure Frequency	Remark
n-butyl acetate	123-86-4	0,0903 mg/kg	Soil (agricultural)		
		0,18 mg/l	Water		
		0,36 mg/l	WATER, INTERMITTING RELEASE		
		0,018 mg/l	Water		

		0,981 mg/kg	Air
		0,0981 mg/kg	Marine water sediments
		35,6 mg/l	Microorganisms in sewage treatments
1-Etossi-2-Propilacetato	98516-30-4	1,34 mg/kg	Soil (agricultural)
		1,3 mg/l	Water
		0,13 mg/l	Water
		6,4 mg/kg	Air
		0,64 mg/kg	Marine water sediments
Acetato di 1-metil-2-metossietile	108-65-6	0,29 mg/kg	Soil (agricultural)
		0,635 mg/l	Water
		6,35 mg/l	WATER, INTERMITTING RELEASE
		0,064 mg/l	Water
		3,29 mg/kg	Air
		0,329 mg/kg	Marine water sediments
		100 mg/l	Microorganisms in sewage treatments
2-butanone	78-93-3	22,5	Soil (agricultural)
		55,8 mg/l	Water
		55,8 mg/l	WATER, INTERMITTING RELEASE
		55,8 mg/l	Water
		284,74 mg/kg	Air
		287,7 mg/kg	Marine water sediments
		709 mg/l	Microorganisms in sewage treatments
2-butoxyethanol	111-76-2	3,13 mg/kg	Soil (agricultural)
		8,8 mg/l	Water
		0,88 mg/l	Water
		34,6 mg/kg	Air
		3,46 mg/kg	Marine water sediments

Derived No Effect Level (DNEL) values

Component	CAS-No.	Worker Industry	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
n-butyl acetate	123-86-4				Human Dermal	Short Term, local effects	
		11 mg/kg		6 mg/kg	Human Dermal	Short Term, systemic effects	
		600 mg/m3		300 mg/m3	Human Inhalation	Short Term, local effects	
		600 mg/m3		300 mg/m3	Human Inhalation	Short Term, systemic effects	
				2 mg/kg	Human Oral	Short Term, systemic effects	
					Human Dermal	Long Term, local effects	
		11 mg/kg		6 mg/kg	Human Dermal	Long Term, systemic effects	
		300 mg/m3		35,7 mg/m3	Human Inhalation	Long Term, local effects	
		300 mg/m3		35,7 mg/m3	Human Inhalation	Long Term, systemic effects	
				2 mg/kg	Human Oral	Long Term, systemic effects	

1-Etossi-2-Propilacetato	98516-30-4	608 mg/m3	365 mg/m3	Human Inhalation	Short Term, systemic effects
		103 mg/kg	62 mg/kg	Human Dermal	Long Term, systemic effects
		302 mg/m3	181 mg/m3	Human Inhalation	Long Term, systemic effects
			13,1 mg/kg	Human Oral	Long Term, systemic effects
Acetato di 1-metil-2-metossietile	108-65-6		500 mg/kg	Human Oral	Short Term, systemic effects
		796 mg/kg	320 mg/kg	Human Dermal	Long Term, systemic effects
		550 mg/m3	33 mg/m3	Human Inhalation	Long Term, local effects
		275 mg/m3	33 mg/m3	Human Inhalation	Long Term, systemic effects
			36 mg/kg	Human Oral	Long Term, systemic effects
2-butanone	78-93-3		412 mg/kg	Human Dermal	Short Term, systemic effects
		600 mg/m3	106 mg/m3	Human Inhalation	Long Term, systemic effects
			31 mg/kg	Human Oral	Long Term, systemic effects
		1161 mg/kg		Human Dermal	Long Term, systemic effects
Idrocarburi,C9, aromatici	64742-95-6	25	11 mg/kg	Human Dermal	Long Term, systemic effects
		150 mg/m3	32 mg/m3	Human Inhalation	Long Term, systemic effects
			11 mg/kg	Human Oral	Long Term, systemic effects
2-butoxyethanol	111-76-2	75 mg/kg	38 mg/kg	Human Dermal	Long Term, systemic effects
		98 mg/m3	49 mg/m3	Human Inhalation	Long Term, systemic effects
			3,2 mg/kg	Human Oral	Long Term, systemic effects

8.2. Exposure controls

Eye protection:

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

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

N.A.

Environmental exposure controls:

N.A.

Hygienic and Technical measures

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Liquid
Appearance and colour: transparent
Odour: N.A.
Odour threshold: N.A.
pH: N.A.
Melting point / freezing point: N.A.
Initial boiling point and boiling range: N.A.
Flash point: < 23°C
Evaporation rate: N.A.
Upper/lower flammability or explosive limits: N.A.
Vapour density: N.A.
Vapour pressure: N.A.
Relative density: 0.86 g/ml
Solubility in water: N.A.
Solubility in oil: N.A.
Partition coefficient (n-octanol/water): N.A.
Auto-ignition temperature: N.A.
Decomposition temperature: N.A.
Viscosity: N.A.
Explosive properties: N.A.
Oxidizing properties: N.A.
Solid/gas flammability: N.A.
VOC content (g/L) in the product (2010/75/UE) 861.00
VOC content % in the product (2010/75/UE) 100.00

9.2. Other information

Substance Groups relevant properties N.A.
Miscibility: N.A.
Conductivity: N.A.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Data not available.

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 Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified
	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	The product is classified: Eye Irrit. 2(H319)
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met

h) STOT-single exposure	The product is classified: STOT SE 3(H336)
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

n-butyl acetate	a) acute toxicity	LD50 Oral Rat 10760 mg/kg
	b) skin corrosion/irritation	LD50 Skin Rabbit > 14112 mg/kg
	j) aspiration hazard	LC50 Inhalation Vapour Rat > 21,1 mg/l 4h
1-Etossi-2-Propilacetato	a) acute toxicity	LD50 Oral Rat > 5000 mg/kg
	b) skin corrosion/irritation	LD50 Skin Rabbit > 5000 mg/kg
Acetato di 1-metil-2-metossietile	a) acute toxicity	LD50 Oral Rat > 5000 mg/kg
	b) skin corrosion/irritation	LD50 Skin Rabbit > 5000 mg/kg
	j) aspiration hazard	LC50 Inhalation Vapour Rat > 10,6 mg/l 6h
2-butanone	a) acute toxicity	LD50 Oral Rat 2193 mg/kg
	b) skin corrosion/irritation	LD50 Skin Rabbit > 5000 mg/kg
	j) aspiration hazard	LC50 Inhalation Vapour Rat 4000 ppm
Idrocarburi,C9, aromatici	a) acute toxicity	LD50 Oral Rat > 8 ml/kg
	b) skin corrosion/irritation	LD50 Skin Rat > 3160 mg/kg
	j) aspiration hazard	LC50 Inhalation Vapour Rat > 6193 mg/m3 3h
2-butoxyethanol	a) acute toxicity	LD50 Oral Rat 1746 mg/kg
	b) skin corrosion/irritation	LD50 Skin Pig 6411 mg/kg
	j) aspiration hazard	LC50 Inhalation Vapour Rat 450 ppm

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 Eco-Toxicological properties of the product

The product is classified: Aquatic Chronic 3(H412)

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
n-butyl acetate	CAS: 123-86-4 - EINECS: 204-658-1 - INDEX: 607-025-00-1	a) Aquatic acute toxicity : EC50 Daphnia 44 mg/L 48h
		b) Aquatic chronic toxicity : IC50 Algae 397 mg/L 72h - Alga
		a) Aquatic acute toxicity : LC50 Fish 18 mg/L 96h - Fish
1-Etossi-2-Propilacetato	CAS: 98516-30-4 - EINECS: 259-370-9 - INDEX: 603-177-00-8	a) Aquatic acute toxicity : EC50 Daphnia > 100 mg/L 48h
		b) Aquatic chronic toxicity : IC50 Algae > 100 mg/L 72h
		a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96h
Acetato di 1-metil-2-metossietile	CAS: 108-65-6 - EINECS: 203-603-9 - INDEX: 607-195-00-7	a) Aquatic acute toxicity : EC50 Daphnia > 500 mg/L 48h - Daphnia Magna

		b) Aquatic chronic toxicity : IC50 Algae > 1000 mg/L 72h - Selenastrum capricornutum
		a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96h - Fish
		b) Aquatic chronic toxicity : NOEC Fish 475 mg/L - Oryzias latipes
2-butanone	CAS: 78-93-3 - EINECS: 201-159-0 - INDEX: 606-002-00-3	a) Aquatic acute toxicity : EC50 Daphnia 308 mg/L 48h - Daphnia
		a) Aquatic acute toxicity : LC50 Fish 2993 mg/L 96h - Fish
Idrocarburi,C9, aromatici	CAS: 64742-95-6 - EINECS: 918-668-5	a) Aquatic acute toxicity : EC50 Daphnia 3,2 mg/L 48h - Daphnia
		b) Aquatic chronic toxicity : IC50 Algae 2,9 mg/L 72h - Algae
		a) Aquatic acute toxicity : LC50 Fish 9,2 mg/L 96h - Fish
2-butoxyethanol	CAS: 111-76-2 - EINECS: 203-905-0 - INDEX: 603-014-00-0	a) Aquatic acute toxicity : EC50 Daphnia 1550 mg/L 48h - Daphnia
		b) Aquatic chronic toxicity : IC50 Algae 911 mg/L 72h - Algae
		a) Aquatic acute toxicity : LC50 Fish 1474 mg/L 96h - Fish

12.2. Persistence and degradability

Component	Persitence/Degradability:	Value
n-butyl acetate	Readily biodegradable	0
1-Etossi-2-Propilacetato	Readily biodegradable	0
2-butanone	Readily biodegradable	0
2-butoxyethanol	Readily biodegradable	0

12.3. Bioaccumulative potential

Component	Value
n-butyl acetate	1,27

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT 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.

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

Toxic ingredients quantity: 0.00

Very toxic ingredients quantity: 0.00

Marine pollutant: No

Environmental Pollutant: No

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR exempt:

ADR-Label: 3

ADR - Hazard identification number: 33

ADR-Special Provisions: 163 367 640C 650

ADR-Transport category (Tunnel restriction code):

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

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 (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)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) 2015/830

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: None.

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)

Product belongs to category: P5c 5000 50000

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

Class 2: hazardous for water.

SVHC Substances:

No data available

Dir. 2004/42/EC (VOC directive)

(ready to use)

Volatile Organic compounds - VOCs = 100.00 %

Volatile Organic compounds - VOCs = 861.00 g/L

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.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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/Dermal	Acute Tox. 4	Acute toxicity (dermal), Category 4
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), 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
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
4.1/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3
x		x

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
3.3/2	Calculation method
3.8/3	Calculation method
4.1/C3	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 MSDS 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
KAFH: KAFH
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.