





Safety Data Sheet dated 9/9/2021, version 12

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

1.1. Product identifier

Mixture identification:

Trade name : FAST THINNER Trade code : 075.0015

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

Product type and use: Painting product for car refinish and industrial job-professional use-

1.3. Details of the supplier of the safety data sheet

Supplier:

PALINI VERNICI S.R.L. Via San Gerolamo, 14 25055 Pisogne (BS)

PALINI VERNICI S.R.L. Tel.+390364/880496- 882727 Fax.+390364/882740-87722 (9-12

Competent person responsible for the safety data sheet:

ricerca@palinal.com

1.4. Emergency telephone number

PALINI VERNICI S.R.L. Tel.+390364/880496- 882727 Fax.+390364/882740-87722 (9-12 13-18)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

- Danger, Flam. Liq. 2, Highly flammable liquid and vapour.
- Warning, Skin Irrit. 2, Causes skin irritation.
- Warning, Eye Irrit. 2, Causes serious eye irritation.
- Warning, STOT SE 3, May cause drowsiness or dizziness.
- Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.
- Danger, 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

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

Precautionary statements:

P210 Keep away from heat - No smoking.

P233 Keep container tightly closed.

P261 Avoid breathing vapours.

P301+P310 IF SWALLOWED: Immediately call a doctor.

P331 Do NOT induce vomiting.

P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish. P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

None

Contains

ethyl acetate

2-methoxy-1-methylethyl acetate

n-butyl acetate

xylene

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

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

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

Qty	Name	Ident. Number		Classification
>=50% - < 60%	ethyl acetate	Index number: CAS: EC: REACH No.:	607-022-00-5 141-78-6 205-500-4 01- 2119475103 -46	 \$2.6/2 Flam. Liq. 2 H225 \$3.3/2 Eye Irrit. 2 H319 \$3.8/3 STOT SE 3 H336
>=20% - < 25%	2-methoxy-1- methylethyl acetate	Index number: CAS: EC: REACH No.:	108-65-6 203-603-9	\$2.6/3 Flam. Liq. 3 H226\$3.8/3 STOT SE 3 H336
>=15% - < 20%	n-butyl acetate	Index number: CAS: EC: REACH No.:	123-86-4 204-658-1	\$2.6/3 Flam. Liq. 3 H226\$3.8/3 STOT SE 3 H336
>=10% - < 12.5%	xylene	Index number: CAS: EC: REACH No.:	1330-20-7 215-535-7	 \$2.6/3 Flam. Liq. 3 H226 4.1/C3 Aquatic Chronic 3 H412 \$3.1/4/Dermal Acute Tox. 4 H312 \$3.1/4/Inhal Acute Tox. 4 H332

			-32	 \$\square\$ 3.2/2 Skin Irrit. 2 H315 \$\square\$ 3.3/2 Eye Irrit. 2 H319 \$\square\$ 3.8/3 STOT SE 3 H335 \$\square\$ 3.10/1 Asp. Tox. 1 H304 \$\square\$ 3.9/2 STOT RE 2 H373
>=1% -< 3%	ethylbenzene	Index number: CAS: EC: REACH No.:	100-41-4 202-849-4	 \$2.6/2 Flam. Liq. 2 H225 4.1/C3 Aquatic Chronic 3 H412 \$3.1/4/Inhal Acute Tox. 4 H332 \$3.10/1 Asp. Tox. 1 H304 \$3.9/2 STOT RE 2 H373

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 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.

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

No data available

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:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use a dry powder fire extinguisher 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.

075.0015/12

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

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, 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.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Store between 5 and 35°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)

None in particular

SECTION 8: Exposure controls/personal protection

```
8.1. Control parameters
```

```
ethyl acetate - CAS: 141-78-6
```

EU - TWA(8h): 734 mg/m3, 200 ppm - STEL: 1468 mg/m3, 400 ppm

ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

EU - TWA(8h): 275 mg/m3, 50 ppm - STEL: 550 mg/m3, 100 ppm - Notes: Skin

n-butyl acetate - CAS: 123-86-4

ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

EU - TWA(8h): 241 mg/m3, 50 ppm - STEL: 723 mg/m3, 150 ppm

xylene - CAS: 1330-20-7

National - TWA: 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm - Notes: pelle EU - TWA(8h): 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm - Notes: Skin

ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS

```
impair
      ethylbenzene - CAS: 100-41-4
            EU - TWA(8h): 442 mg/m3, 100 ppm - STEL: 884 mg/m3, 200 ppm - Notes: Skin
            ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy),
            cochlear impair
DNEL Exposure Limit Values
      ethyl acetate - CAS: 141-78-6
            Worker Professional: 1468 mg/kg - Exposure: Human Inhalation - Frequency: Short
            Term, systemic effects
            Worker Professional: 1468 mg/kg - Exposure: Human Inhalation - Frequency: Short
            Term, local effects
            Worker Professional: 63 mg/kg - Exposure: Human Dermal - Frequency: Long Term,
            systemic effects
            Worker Professional: 734 mg/kg - Exposure: Human Inhalation - Frequency: Long Term,
            systemic effects
            Worker Professional: 734 mg/kg - Exposure: Human Inhalation - Frequency: Long Term,
            local effects
      n-butyl acetate - CAS: 123-86-4
            Worker Professional: 960 mg/kg - Exposure: Human Inhalation - Frequency: Short Term,
            Worker Professional: 960 mg/kg - Exposure: Human Inhalation - Frequency: Short Term,
            local effects
            Worker Professional: 480 mg/kg - Exposure: Human Inhalation - Frequency: Long Term,
            systemic effects
            Worker Professional: 480 mg/kg - Exposure: Human Inhalation - Frequency: Long Term,
            local effects
            Worker Professional: 859.7 mg/kg - Exposure: Human Inhalation - Frequency: Short
            Term, systemic effects
            Worker Professional: 859.7 mg/kg - Exposure: Human Inhalation - Frequency: Short
            Term (acute)
      xylene - CAS: 1330-20-7
            Worker Professional: 3182 mg/kg - Exposure: Human Dermal - Frequency: Long Term,
            systemic effects
            Worker Professional: 442 mg/kg - Exposure: Human Inhalation - Frequency: Short Term,
            systemic effects
            Worker Professional: 221 mg/kg - Exposure: Human Inhalation - Frequency: Long Term,
            systemic effects
            Worker Professional: 221 mg/kg - Exposure: Human Inhalation - Frequency: Long Term,
            local effects
PNEC Exposure Limit Values
      ethyl acetate - CAS: 141-78-6
            Target: Fresh Water - Value: 0.26 mg/l
            Target: Marine water - Value: 0.026 mg/l
            Target: Freshwater sediments - Value: 1.25 mg/kg
            Target: 09 - Value: 650 mg/l
            Target: Marine water sediments - Value: 0.125 mg/kg
            Target: Soil (agricultural) - Value: 0.24 mg/kg
      n-butyl acetate - CAS: 123-86-4
            Target: Fresh Water - Value: 0.18 mg/l
            Target: Marine water - Value: 0.018 mg/l
            Target: 08 - Value: 0.36 mg/l
            Target: 09 - Value: 35.6 mg/l
            Target: Freshwater sediments - Value: 0.981 mg/kg
            Target: Marine water sediments - Value: 0.0981 mg/kg
            Target: Soil (agricultural) - Value: 0.0903 mg/kg
      xylene - CAS: 1330-20-7
```

Target: Fresh Water - Value: 0.327 mg/l Target: Marine water - Value: 0.327 mg/l

Target: Marine water sediments - Value: 12.46 mg/l Target: Freshwater sediments - Value: 12.46 mg/l

Target: 09 - Value: 6.58 mg/l

Target: Soil (agricultural) - Value: 2.31 mg/kg

Target: 08 - Value: 0.327 mg/l

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:

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

Respiratory protection:

Use adequate protective respiratory equipment. es. CEN/FFP-2 o CEN/FFP-3

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Liquid Viscoso		
Odour:	CHARACTER ISTIC		
Odour threshold:	N.A.		
pH:			
Melting point / freezing point:	N.A.		
Initial boiling point and boiling range:	> 35 gradi C.		
Flash point:	< 23		
Evaporation rate:	N.A.		
Solid/gas flammability:	N.A.		
Upper/lower flammability or explosive limits:	N.A.		
Vapour pressure:	N.D.		
Vapour density:	>Air		

Relative density:	0.891 Kg/L Kg/L	
Solubility in water:	Insolubile	
Solubility in oil:	N.A.	
Partition coefficient (n-octanol/water):	N.A.	
Auto-ignition temperature:	400 gradi C.	
Decomposition temperature:	N.A.	
Viscosity:	14 < kv <= 20, 5 mm2/s	
Explosive properties:	2/11 % Volume	
Oxidizing properties:	N.D.	

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.		
Solids	0		
% Volatile carbon:	58.3		
% Solvent	100		
Fat Solubility:	N.A.		
Conductivity:	N.A.		
Substance Groups relevant properties	N.A.		

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 product:

N.A.

Toxicological information of the main substances found in the product:

ethyl acetate - CAS: 141-78-6

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 6000 Ppm - Duration: 8h

Test: LD50 - Route: Skin - Species: Rabbit > 20000 mg/kg Test: LD50 - Route: Oral - Species: Mouse = 4100 mg/kg Test: LD50 - Route: Oral - Species: Rat = 4934 mg/kg

n-butyl acetate - CAS: 123-86-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 10000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 21.1 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg

xylene - CAS: 1330-20-7

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 5000 Ppm - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 1700 mg/kg

ethyl acetate - CAS: 141-78-6

OBSERVATIONS ON HUMAN SUBJECTS:

400 ppm: eye irritant.

Serious toxic effects at 2,000 ppm/60 mins, symptoms of malaise at 800 ppm. Inhalatory toxicity: TCLo 400 ppm, irritation to nose, eyes, and respiratory system.

n-butyl acetate - CAS: 123-86-4

OBSERVATIONS ON HUMAN SUBJECTS:

Inhalation: 3300 ppm (16 mg/l), for short periods, cause serious irritation to the eyes and to the nose.

Inhalation: 200-300 ppm (1-1.4 mg/l), for short periods, cause moderate irritation to the eyes and to the nose.

Inhaling the vapours can irritate the respiratory system.

The vapours can cause headache and nausea. As a liquid it can irritate the eyes and cause conjunctivitis, it can irritate the skin and cause dermatitis and, if swallowed, causes inebriation, hallucinations and sedation.

Symptoms of illness at 500 ppm. Serious toxic effects at 2,000 ppm for 60 min.

TCLo: 200 ppm

xylene - CAS: 1330-20-7

OBSERVATIONS ON HUMAN SUBJECTS NON-PROFESSIONAL EXPOSURED-

Effects following acute exposure:

Symptoms of intense exposure are: dermatitis, eczema, irritation to the eyes and to the respiratory tract.

Inhaling the vapours can cause dizziness, headache, nausea, incoordination, excitability, narcosis, anaemia, and paraesthesia of the hands and feet.

PROFESSIONAL EXPOSURED- Effects following acute exposure:

Narcotic at high concentrations.

Irritation through inhalation at 200 ppm (TCLo). Inhalation of 200 ppm has irritating effects in human subjects.

Human subject (oral)(LDLo): 50 mg/kg.

Inhalatory human subject (LCLo) 10000 ppm/6h.

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be 075.0015/12

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;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

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

ethyl acetate - CAS: 141-78-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Algae = 5600 mg/l - Duration h: 48 Endpoint: EC50 - Species: Daphnia = 260 mg/l - Duration h: 48 Endpoint: LC50 - Species: Fish = 230 mg/l - Duration h: 96 Endpoint: EC50 - Species: Daphnia = 2000 mg/l - Duration h: 2000

Endpoint: EC50 - Species: Daphnia = 3090 mg/l - Duration h: 24 Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72

n-butyl acetate - CAS: 123-86-4

e) Plant toxicity:

Endpoint: EC50 - Species: Algae = 675 mg/l - Duration h: 72

xylene - CAS: 1330-20-7 a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 21 mg/l - Duration h: 96 Endpoint: EC50 - Species: Daphnia = 29 mg/l - Duration h: 96 Endpoint: EC50 - Species: Fish = 35 mg/l - Duration h: 96 Endpoint: LC50 - Species: Daphnia = 165 mg/l - Duration h: 24

12.2. Persistence and degradability

None

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

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

ADR-UN Number: 1263 IATA-UN Number: 1263 IMDG-UN Number: 1263

14.2. UN proper shipping name

ADR-Shipping Name: PAINT (including paint, lacquer, enamel, stain, shellac, varnish,

polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (includingpaint thinning and reducing compound)

IATA-Shipping Name: PAINT (including paint, lacquer, enamel, stain, shellac, varnish,

polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (includingpaint thinning and reducing compound) PAINT (including paint, lacquer, enamel, stain, shellac, varnish,

polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (includingpaint thinning and reducing compound)

14.3. Transport hazard class(es)

IMDG-Shipping Name:

ADR-Class: 3

ADR - Hazard identification number: 33

IATA-Class: 3 IATA-Label: 3 IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: II
IATA-Packing group: II
IMDG-Packing group: II

14.5. Environmental hazards

ADR-Enviromental Pollutant: NO IMDG-Marine pollutant: NO

14.6. Special precautions for user

ADR-Subsidiary hazards:

ADR-S.P.: 163 367 640D 650

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

IATA-Passenger Aircraft: 353 IATA-Subsidiary hazards: -IATA-Cargo Aircraft: 364

IATA-S.P.: A3 A72 A192

IATA-ERG: 3L IMDG-EmS: F-E, S-E

3-E

IMDG-Subsidiary hazards:

IMDG-Stowage and handling: Category A

IMDG-Segregation:

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) 2015/830

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)

075.0015/12

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)

Description (EU) n. 2010/1400 (ATP 13 CLP)

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

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

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

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:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 75

Where applicable, refer to the following regulatory provisions:

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

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

Seveso III category according to Annex 1, part 1

Product belongs to category: P5c

15.2. Chemical safety assessment

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

SECTION 16: Other information

Text of phrases referred to under heading 3:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H226 Flammable liquid and vapour.

H412 Harmful to aquatic life with long lasting effects.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H335 May cause respiratory irritation.

H304 May be fatal if swallowed and enters airways.

H373 May cause damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs (hearing organs) through prolonged or repeated exposure.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4

Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Paragraphs modified from the previous revision:

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

SECTION 2: Hazards identification

SECTION 3: Composition/information on ingredients SECTION 8: Exposure controls/personal protection

SECTION 11: Toxicological information SECTION 12: Ecological information SECTION 15: Regulatory information

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
Flam. Liq. 2, H225	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H336	Calculation method
STOT RE 2, H373	Calculation method
Asp. Tox. 1, H304	Calculation method

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983)

I.N.R.S. - Fiche Toxicologique

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.

ADR: European Agreement concerning the International Carriage of

Dangerous Goods by Road.

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

CAS: Chemical Abstracts Service (division of the American Chemical

Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of

Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport

Association" (IATA).

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.

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

PNEC: Predicted No Effect Concentration.

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.
TWA: Time-weighted average
WGK: German Water Hazard Class.