I @B9 PAINT MARKER! Yellow

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations according to Canadian Hazardous Products Regulations (HPR) Date of issue: 07/27/2015

Version: 1.0

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

1.1. Product identifier

Product form : Article

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

Use of the substance/mixture : Paint.

1.3. '8]glf]Vi hcf.

Waj^Ánc 12Í Í ÁWaj^ÁÖ¦ãç^ Ú∣^ææa) oÁÚ¦æáaðî, Y QÍ HFÍ Ì Phone: 1-8€€-GJÍ ÉÍ Í F€ÁWWAÆA

I.4. Emergency telephone number

24-hour emergency: CHEMTREC- US/Canada: 1-800-424-9300

International: +1-703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with the Globally Harmonized Standard

Not classified

2.2 Label elements

GHS-US labelling

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	% (w/w)	GHS-US classification
tert-butyl acetate	(CAS No) 540-88-5	41.14 – 41.35 Yellow 36.47 – 36.65 Light Blue	Flam. Liq. 2, H225
Cyclohexanone	(CAS No) 108-94-1	9.82 Yellow 3.08 Light Blue	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332
Butyl acetate	(CAS No) 123-86-4	3.81 – 4.64 Yellow 3.12 – 3.9 Light Blue	Flam. Liq. 3, H226 STOT SE 3, H336
2-methoxy-1-methylethyl acetate	(CAS No) 108-65-6	0.52 – 1.03 Yellow 1.14 – 2.28 Light Blue	Flam. Liq. 3, H226
Naphtha (petroleum), hydrotreated heavy (benzene < 0.1%)	(CAS No) 64742-48-9	1.32 Yellow 1.23 Light Blue	Flam. Liq. 4, H227 Asp. Tox. 1, H304
Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene <0.1%)	(CAS No) 64742-95-6	0.15 – 0.74 Yellow 0.12 – 0.59 Light Blue	Asp. Tox. 1, H304
1,2,4-trimethylbenzene	(CAS No) 95-63-6	0.15 – 0.74 Yellow 0.12 – 0.59 Light Blue	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

27/07/2015 EN (English) SDS Ref.: 1507038 1/9

I LINE PAINT MARKER! Yellow

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations according to Canadian Hazardous Products Regulations (HPR)

SECTION 4: First aid measures

Description of first aid measures 4.1.

First-aid measures general : Get medical advice/attention if you feel unwell

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.

First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water.

First-aid measures after ingestion Rinse mouth. Do NOT induce vomiting.

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

Symptoms/injuries : None known.

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

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture

Reactivity : No dangerous reactions known.

Advice for firefighters 5.3.

Firefighting instructions : Eliminate all ignition sources if safe to do so. Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection. Use Protection during firefighting

self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No

smoking. Avoid all eye and skin contact and do not breathe vapour and mist.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Emergency procedures : Stop leak if safe to do so. Ventilate area.

Environmental precautions 6.2.

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (for example cloth).

6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling No open flames. No smoking. Take precautionary measures against static discharge. Use only

non-sparking tools.

Hygiene measures Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work.

27/07/2015 SDS Ref.: 1507038 EN (English) 2/9

I @B9 D5 BHA5F?9F! MY ck

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations according to Canadian Hazardous Products Regulations (HPR)

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond

container and receiving equipment. Use explosion-proof electrical, ventilating, lighting

equipment.

Storage conditions : Keep container closed when not in use. Incompatible products : Oxidizing agent. Acids. Alkali. Moisture.

Incompatible materials : Heat sources.

Heat and ignition sources : Keep away from heat, sparks and flame.

Prohibitions on mixed storage : Incompatible materials.

Storage area : Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)

Marking.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Uline Paint Marker		
Not applicable		
Not applicable		
ACGIH TWA (mg/m³)	713 mg/m³	
ACGIH TWA (ppm)	150 ppm	
ACGIH STEL (mg/m³)	950 mg/m³	
ACGIH STEL (ppm)	200 ppm	
Remark (ACGIH)	Eye & URT irr	
OSHA PEL (TWA) (mg/m³)	710 mg/m³	
OSHA PEL (TWA) (ppm)	150 ppm	
VECD (mg/m³)	950 mg/m³	
VECD (ppm)	200 ppm	
VEMP (mg/m³)	713 mg/m³	
VEMP (ppm)	150 ppm	
), light arom., Low boiling point naphtha - unspecified	(benzene <0.1%) (64742-95-6)	
Not applicable		
Not applicable		
53-6)		
ACGIH TWA (mg/m³)	123 mg/m³	
ACGIH TWA (ppm)	25 ppm	
(Pp)		
Not applicable	1	
", ,	172 mg/m³	
Not applicable		
Not applicable VECD (mg/m³)	172 mg/m³	
Not applicable VECD (mg/m³) VECD (ppm)	172 mg/m³ 35 ppm	
Not applicable VECD (mg/m³) VECD (ppm) VEMP (mg/m³)	172 mg/m³ 35 ppm 123 mg/m³	
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	Not applicable ACGIH TWA (mg/m³) ACGIH STEL (mg/m³) ACGIH STEL (ppm) Remark (ACGIH) OSHA PEL (TWA) (mg/m³) VECD (mg/m³) VECD (ppm) VEMP (mg/m³) VEMP (ppm) Not applicable Not applicable ACGIH TWA (mg/m³)	

27/07/2015 EN (English) SDS Ref.: 1507038 3/9

I@B9D5⊫BHA5F?9F!MY`ck

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations according to Canadian Hazardous Products Regulations (HPR)

Cyclohexanone (108-94-1)		
Canada (Quebec)	VEMP (mg/m³)	100 mg/m³
Canada (Quebec)	VEMP (ppm)	25 ppm
Canada (Quebec)	Notations and remarks	(Peau)
2-methoxy-1-methylethyl acetate (108-65-6)		
ACGIH	Not applicable	
OSHA	Not applicable	
Naphtha (petroleum), hydrotreated heavy (benzene < 0.1%) (64742-48-9)		
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
ACGIH	ACGIH STEL (mg/m³)	10 mg/m³
OSHA	Not applicable	

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection : None under normal use.

Eye protection : None under normal use.

Respiratory protection : None under normal use.

Other information : Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Solid marker containing liquid colored paint.

Colour : Variable.
Odour : Solvent.

Odour threshold : No data available pН : No data available Relative evaporation rate (butyl acetate=1) : No data available Melting point : No data available Freezing point No data available Boiling point : No data available Flash point : 23 - 37.8 °C 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 No data available Relative density No data available Solubility : No data available : No data available No data available

Solubility : No data available
Log Pow : No data available
Log Kow : 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 : 67 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

27/07/2015 EN (English) SDS Ref.: 1507038 4/9

I @B9 D5 BHA5F?9F! MY ck

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations according to Canadian Hazardous Products Regulations (HPR)

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Open flame. Overheating. Direct sunlight. Heat. Sparks.

10.5. Incompatible materials

Oxidizer. Acids. Alkali. Moisture.

Reproductive toxicity

exposure)

exposure)

Specific target organ toxicity (single

Specific target organ toxicity (repeated

Hazardous decomposition products 10.6.

May release flammable gases. Thermal decomposition generates: metallic oxides. Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Butyl acetate (123-86-4)	
LD50 oral rat	10760 mg/kg
LD50 dermal rabbit	> 14112 mg/kg
LC50 inhalation rat (mg/l)	> 21 mg/l/4h
ATE CLP (oral)	10760.000 mg/kg bodyweight
Solvent naphtha (petroleum), light arom	., Low boiling point naphtha - unspecified (benzene <0.1%) (64742-95-6)
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5610 mg/l/4h
1,2,4-trimethylbenzene (95-63-6)	
LD50 oral rat	3415 mg/kg
LD50 dermal rat	3440 mg/kg
LC50 inhalation rat (ppm)	954 ppm
ATE CLP (oral)	3415.000 mg/kg bodyweight
ATE CLP (dermal)	3440.000 mg/kg bodyweight
ATE CLP (dust,mist)	1.500 mg/l/4h
tert-butyl acetate (540-88-5)	
LD50 oral rat	4100 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (ppm)	4211 ppm 6 h
ATE CLP (oral)	4100.000 mg/kg bodyweight
Cyclohexanone (108-94-1)	
ATE CLP (dust,mist)	1.500 mg/l/4h
2-methoxy-1-methylethyl acetate (108-65	5-6)
LD50 oral rat	8532 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (ppm)	4345 ppm 6 h
ATE CLP (oral)	8532.000 mg/kg bodyweight
Naphtha (petroleum), hydrotreated heav	y (benzene < 0.1%) (64742-48-9)
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5610 mg/m³
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Cyclohexanone (108-94-1)	
IARC group	3 - Not classifiable
- 3	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

27/07/2015 EN (English) SDS Ref.: 1507038 5/9

: Not classified

: Not classified

: Not classified

I @B9 D5 BHA5F?9F!'MY ck

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations according to Canadian Hazardous Products Regulations (HPR)

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms

Likely routes of exposure : Inhalation; Skin and eye contact

SECTION 12: Ecological information

12.1 Toxicity

Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene <0.1%) (64742-95-6)		
LC50 fish 1	8.2 mg/l	
EC50 Daphnia 1	4.5 mg/l	
EC50 other aquatic organisms 1	3.7 mg/l	
NOEC (acute)	0.5 mg/l	
1,2,4-trimethylbenzene (95-63-6)		
LC50 fish 1	7.72 mg/l	
LC50 other aquatic organisms 1	3.6 mg/l	
EC50 other aquatic organisms 1	2.356 mg/l	
tert-butyl acetate (540-88-5)		
LC50 fish 1	240 mg/l 96 h	
EC50 Daphnia 1	410 mg/l 24 h	
2-methoxy-1-methylethyl acetate (108-65-6)		
LC50 fish 1	100 - 180 mg/l	
2000		
EC50 Daphnia 1	> 500 mg/l 48 h	
	> 500 mg/l 48 h > 1000 mg/l	
EC50 Daphnia 1	> 1000 mg/l	

12.2. Persistence and degradability

Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene <0.1%) (64742-95-6)	
Persistence and degradability	Not established.
tert-butyl acetate (540-88-5)	
Persistence and degradability	Readily biodegradable.
Biodegradation	50 % 28 d
2-methoxy-1-methylethyl acetate (108-65-6)	
Persistence and degradability	Readily biodegradable.
Biodegradation	89 % 10 d

12.3. Bioaccumulative potential

Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene <0.1%) (64742-95-6)	
Bioaccumulative potential	Not established.
tert-butyl acetate (540-88-5)	
BCF fish 1	5.61
Log Pow	1.64
2-methoxy-1-methylethyl acetate (108-65-6)	
Log Pow	0.43

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal recommendations : Do not dispose of waste into sewer.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Handle empty containers with care because residual vapours are flammable.

27/07/2015 EN (English) SDS Ref.: 1507038 6/9

I@-B9 D5-BHA5F?9F!MY`ck

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations according to Canadian Hazardous Products Regulations (HPR)

SECTION 14: Transport information

In accordance with DOT and TDG

Transport document description : UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid

filler, and liquid lacquer base), 3, III

UN-No.(DOT) : UN1263

Proper Shipping Name (DOT) : Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and

liquid lacquer base

Transport hazard class(es) (DOT) : 3 - Flammable liquid Packing group (DOT) : III - Minor Danger

ADR

Transport document description : UN 1263 PAINT, 3, III, (D/E)

Proper Shipping Name (ADR) : PAINT Packing group (ADR) : III

Class (ADR) : 3 - Flammable liquid

Transport by sea

UN-No. (IMDG) : UN 1263
Proper Shipping Name (IMDG) : PAINT

Class (IMDG) : 3 - Flammable liquids

Packing group (IMDG) : III

Air transport

UN-No. (IATA) : UN 1263
Proper Shipping Name (IATA) : Paint

Class (IATA) : 3 - Flammable Liquids

Packing group (IATA) : III

SECTION 15: Regulatory information

15.1. US Federal regulations

Butyl acetate (123-86-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

RQ (Reportable quantity, section 304 of EPA's 5000 lb

List of Lists)

Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene <0.1%) (64742-95-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

1,2,4-trimethylbenzene (95-63-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

tert-butyl acetate (540-88-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Cyclohexanone (108-94-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

2-methoxy-1-methylethyl acetate (108-65-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Naphtha (petroleum), hydrotreated heavy (benzene < 0.1%) (64742-48-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Butyl acetate (123-86-4)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene <0.1%) (64742-95-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

1,2,4-trimethylbenzene (95-63-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

tert-butyl acetate (540-88-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

27/07/2015 EN (English) SDS Ref.: 1507038 7/9

I @B9 D5 BHA5F?9F! MY`ck

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations according to Canadian Hazardous Products Regulations (HPR)

Cyclohexanone (108-94-1)

Listed on the Canadian DSL (Domestic Substances List) inventory.

2-methoxy-1-methylethyl acetate (108-65-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Naphtha (petroleum), hydrotreated heavy (benzene < 0.1%) (64742-48-9)

Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

Butyl acetate (123-86-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified (benzene <0.1%) (64742-95-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

1,2,4-trimethylbenzene (95-63-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

tert-butyl acetate (540-88-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Cyclohexanone (108-94-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

2-methoxy-1-methylethyl acetate (108-65-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Naphtha (petroleum), hydrotreated heavy (benzene < 0.1%) (64742-48-9)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Uline Paint Marker

All components are listed on the EEC inventory European Inventory of Existing Commercial Chemical Substances (EINECS).

All ingredients are listed in the Toxic Substances Control Act (TSCA).

All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

15.3. US State regulations

Butyl acetate (123-86-4)

- U.S. Minnesota Hazardous Substance List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania List of Hazardous Substances

tert-butyl acetate (540-88-5)

- U.S. Minnesota Hazardous Substance List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New York Right to Know List of Hazardous Chemicals
- U.S. Pennsylvania List of Hazardous Substances

Cyclohexanone (108-94-1)

- U.S. Pennsylvania RTK (Right to Know) List
- U.S. New York Right to Know List of Hazardous Chemicals
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Minnesota Hazardous Substance List

SECTION 16: Other information

Indication of changes

: Orignal document.

Data sources

: ACGIH (American Conference of Government Industrial Hygienists).

European Chemicals Agency (ECHA) C&L Inventory database. Accessed at http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database.

Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.

National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition

OSHA 29CFR 1910.1200 Hazard Communication Standard.

TSCA Chemical Substance Inventory. Accessed at

http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html.

27/07/2015 EN (English) SDS Ref.: 1507038 8/9

I @B9 D5 =BHA5F?9F! MY ck

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations according to Canadian Hazardous Products Regulations (HPR)

Abbreviations and acronyms : ATE: Acute Toxicity Estimate. CAS (Chemical Abstracts Service) number.

CLP: Classification, Labelling, Packaging.

EC50: Environmental Concentration associated with a response by 50% of the test population.

GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).

LD50: Lethal Dose for 50% of the test population.
OSHA: Occupational Safety & Health Administration.

PBT: Persistent, Bioaccumulative, Toxic.

TWA: Time Weight Average.

TSCA: Toxic Substances Control Act.

Other information : None.

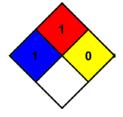
NFPA health hazard : 1 - Exposure could cause irritation but only minor residual

injury even if no treatment is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions,

and not reactive with water.



Full text of H-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Liq. 4	Flammable liquids, Category 4
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

27/07/2015 EN (English) SDS Ref.: 1507038 9/9