



# SAFETY DATA SHEET

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 13-Nov-2015

Version 2

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product Code 82220  
Product Name NON-CHLORINATED BRAKE & PARTS CLEANER 14.5 OZ

Contains METHANOL, XYLENE, HEPTANE

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

Recommended Use Flammable Aerosol, Brake Cleaner

Uses advised against No information available

### 1.3. Details of the supplier of the safety data sheet

#### Importer

ITW Permatex  
10 Columbus Blvd.  
Hartford, CT 06106 USA  
Telephone: 1-87-Permatex  
(877) 376-2839

#### E-mail address

mail@permatex.com

### 1.4. Emergency telephone number

24 Hour Emergency Phone Number - 800-255-3924 (00+ 1+ 813-248-0585) ChemTel

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aspiration toxicity	Category 1 - (H304)
Acute toxicity - Oral	Category 3 - (H301)
Acute toxicity - Dermal	Category 3 - (H311)
Acute toxicity - Inhalation (Dusts/Mists)	Category 3 - (H331)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 1 - (H370)
Chronic aquatic toxicity	Category 2 - (H411)
Aerosols	Category 1 - (H222)

Classification according to Directive 67/548/EEC or 1999/45/EC

Full text of R-phrases: see section 16

### 2.2. Label elements

Contains METHANOL, XYLENE, HEPTANE



**Signal word**  
Danger

**Statements of hazard**

- H301 - Toxic if swallowed
- H311 - Toxic in contact with skin
- H331 - Toxic if inhaled
- H304 - May be fatal if swallowed and enters airways
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H370 - Causes damage to organs
- H412 - Harmful to aquatic life with long lasting effects
- H222 - Extremely flammable aerosol

**Precautionary Statements - EU (§28, 1272/2008)**

- P361 + P364 - Take off immediately all contaminated clothing and wash it before reuse
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P321 - Specific treatment (see supplemental instructions on the administration of antidotes on this label)
- P307 + P311 - IF exposed: Call a POISON CENTER or doctor/physician
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray
- P308 - IF exposed or concerned:
- P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
- P331 - Do NOT induce vomiting
- P273 - Avoid release to the environment
- P321 - Specific treatment (see supplemental first aid instructions on this label)
- P210 - Keep away from open flames/hot surfaces. - No smoking
- P211 - Do not spray on an open flame or other ignition source
- P251 - Pressurized container: Do not pierce or burn, even after use
- P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Other Information**

- Not applicable

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 substances**

Chemical Name	EC No	CAS No	Weight-%	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
ACETONE	200-662-2	67-64-1	50-60	F; R11 Xi; R36 R66 R67	Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)	No data available
METHANOL	200-659-6	67-56-1	20-30	F; R11 T; R23/24/25-39/23/24/25	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225)	No data available
HEPTANE	205-563-8	142-82-5	10-20	F; R11	Skin Irrit. 2 (H315)	No data available

				Xi; R38 N; R50-53 Xn; R65 R67	STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 2 (H225)	
XYLENE	215-535-7	1330-20-7	<10	R10 Xn; R20/21 Xi; R38	Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226)	No data available
CARBON DIOXIDE	204-696-9	124-38-9	<10	-	No data available	No data available

**Full text of R-phrases: see section 16**

**Full text of H- and EUH-phrases: see section 16**

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General advice</b>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
<b>Skin contact</b>	IF ON SKIN: Wash skin with soap and water. If symptoms persist, call a physician. Take off contaminated clothing. Wash contaminated clothing before reuse.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	IF SWALLOWED: Call a physician or poison control center immediately. Do NOT induce vomiting. Rinse mouth.

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

**Symptoms** See section 2 for more information

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

**Note to physicians** Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media**

Carbon dioxide (CO2). Foam. Dry chemical.

**Unsuitable extinguishing media**

No information available

### 5.2. Special hazards arising from the substance or mixture

Extremely flammable. Vapors may travel to areas away from work site before igniting/flashing back to vapor source.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Use personal protective equipment as required. Remove all sources of ignition. Contents under pressure. Do not puncture or incinerate cans.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

### 6.3. Methods and material for containment and cleaning up

#### **Methods for containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for cleaning up**

Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

### 6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required. Remove all sources of ignition. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not puncture or incinerate cans.

#### **General Hygiene Considerations**

Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Wash hands thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

#### **Incompatible materials**

Strong oxidizing agents, Amines

### 7.3. Specific end use(s)

#### **Specific use(s)**

Automotive Care Product.

#### **Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany
ACETONE 67-64-1	TWA 500 ppm TWA 1210 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup> STEL: 1500 ppm STEL: 3620 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 2420 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1200 mg/m <sup>3</sup>
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> *	TWA: 200 ppm TWA: 266 mg/m <sup>3</sup> STEL: 250 ppm STEL: 333 mg/m <sup>3</sup> Sk*	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 1300 mg/m <sup>3</sup> *	TWA: 200 ppm TWA: 266 mg/m <sup>3</sup> vía dérmica*	TWA: 200 ppm TWA: 270 mg/m <sup>3</sup> H*
HEPTANE 142-82-5	TWA 500 ppm TWA 2085 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 2085 mg/m <sup>3</sup> STEL: 1500 ppm STEL: 6255 mg/m <sup>3</sup>	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 2085 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 2100 mg/m <sup>3</sup>
XYLENE 1330-20-7	TWA 50 ppm TWA 221 mg/m <sup>3</sup> STEL 100 ppm STEL 442 mg/m <sup>3</sup> *	TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> STEL: 100 ppm STEL: 441 mg/m <sup>3</sup> Sk*	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup> *	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> vía dérmica*	TWA: 100 ppm TWA: 440 mg/m <sup>3</sup> H*
CARBON DIOXIDE 124-38-9	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9150 mg/m <sup>3</sup> STEL: 15000 ppm STEL: 27400 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9150 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9100 mg/m <sup>3</sup>
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
ACETONE 67-64-1	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup> STEL: 750 ppm	TWA: 1210 mg/m <sup>3</sup> STEL: 2420 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1200 mg/m <sup>3</sup> STEL: 630 ppm STEL: 1500 mg/m <sup>3</sup>	TWA: 250 ppm TWA: 600 mg/m <sup>3</sup>
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> pelle*	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm P*	TWA: 133 mg/m <sup>3</sup> TWA: 100 ppm H*	TWA: 200 ppm TWA: 270 mg/m <sup>3</sup> STEL: 250 ppm STEL: 330 mg/m <sup>3</sup> iho*	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> H*
HEPTANE 142-82-5	TWA: 500 ppm TWA: 2085 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 2085 mg/m <sup>3</sup> STEL: 500 ppm	TWA: 1200 mg/m <sup>3</sup> STEL: 1600 mg/m <sup>3</sup>	TWA: 300 ppm TWA: 1200 mg/m <sup>3</sup> STEL: 500 ppm STEL: 2100 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 820 mg/m <sup>3</sup>
XYLENE 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> pelle*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> P*	TWA: 210 mg/m <sup>3</sup> STEL: 442 mg/m <sup>3</sup> H*	TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> STEL: 100 ppm STEL: 440 mg/m <sup>3</sup> iho*	TWA: 25 ppm TWA: 109 mg/m <sup>3</sup> H*
CARBON DIOXIDE 124-38-9	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL: 30000 ppm	TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9100 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
ACETONE 67-64-1	TWA: 500 ppm TWA: 1200 mg/m <sup>3</sup> STEL 2000 ppm STEL 4800 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1200 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 2400 mg/m <sup>3</sup>	STEL: 1800 mg/m <sup>3</sup> TWA: 600 mg/m <sup>3</sup>	TWA: 125 ppm TWA: 295 mg/m <sup>3</sup> STEL: 156.25 ppm STEL: 368.75 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup>
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL 800 ppm STEL 1040 mg/m <sup>3</sup> H*	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 800 ppm STEL: 1040 mg/m <sup>3</sup> H*	STEL: 300 mg/m <sup>3</sup> TWA: 100 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 130 mg/m <sup>3</sup> STEL: 150 ppm STEL: 162.5 mg/m <sup>3</sup> H*	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 600 ppm STEL: 780 mg/m <sup>3</sup> Sk*
HEPTANE 142-82-5	TWA: 500 ppm TWA: 2000 mg/m <sup>3</sup> STEL 2000 ppm STEL 8000 mg/m <sup>3</sup>	TWA: 400 ppm TWA: 1600 mg/m <sup>3</sup> STEL: 400 ppm STEL: 1600 mg/m <sup>3</sup>	STEL: 2000 mg/m <sup>3</sup> TWA: 1200 mg/m <sup>3</sup>	TWA: 40 ppm TWA: 275 mg/m <sup>3</sup> STEL: 60 ppm STEL: 343.75 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 2085 mg/m <sup>3</sup> STEL: 1500 ppm STEL: 6255 mg/m <sup>3</sup>
XYLENE 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL 100 ppm STEL 442 mg/m <sup>3</sup> H*	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 200 ppm STEL: 870 mg/m <sup>3</sup> H*	TWA: 100 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 108 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 135 mg/m <sup>3</sup> H*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*
CARBON DIOXIDE 124-38-9	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL 10000 ppm	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup>	STEL: 27000 mg/m <sup>3</sup> TWA: 9000 mg/m <sup>3</sup>	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL: 5000 ppm	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL: 15000 ppm

	STEL 18000 mg/m <sup>3</sup>		STEL: 9000 mg/m <sup>3</sup>	STEL: 27000 mg/m <sup>3</sup>
--	------------------------------	--	------------------------------	-------------------------------

Chemical Name	European Union	United Kingdom	France	Spain	Germany
ACETONE 67-64-1	-	-	-	50	80 mg/L
METHANOL 67-56-1	-	-	-	15	30 mg/L
XYLENE 1330-20-7	-	650	-	1	1.5 mg/L 2000 mg/L
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
XYLENE 1330-20-7	-	-	-	5.0	-
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
ACETONE 67-64-1	-	80	-	-	-
METHANOL 67-56-1	-	30	-	-	-
XYLENE 1330-20-7	-	1.5	-	-	-

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2. Exposure controls

**Engineering Controls** Use exhaust ventilation to keep airborne concentrations below exposure limits.

#### Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).  
**Skin and body protection** Suitable protective clothing. Gloves made of plastic or rubber.  
**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Physical state** Liquid  
**Appearance** Clear  
**Odor** Solvent  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>
pH	No information available
Melting point / freezing point	No information available
Boiling point / boiling range	55-149 °C / 132- 300 °F
Flash point	< -18 °C / < 0 °F
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	12.8%
Lower flammability limit:	2.6%
Vapor pressure	No information available
Vapor density	>1
Relative density	0.8
Water solubility	Slightly soluble
Solubility(ies)	No information available
Partition coefficient	No information available

#### Remarks • Method

Gives a flame projection at full valve opening or flashback at any degree of valve opening

Air = 1

Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

**9.2. Other information**

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	<45%
Density	No information available
Bulk density	No information available

**Section 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

Not applicable

**10.2. Chemical stability**

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

**10.3. Possibility of hazardous reactions**

None under normal processing.

**10.4. Conditions to avoid**

Heat, flames and sparks. Temperatures >50 °C / 122 °F.

**10.5. Incompatible materials**

Strong oxidizing agents  
Amines

**10.6. Hazardous decomposition products**

Carbon oxides

**Section 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Product Information**

Inhalation	Toxic by inhalation.
Eye contact	Irritating to eyes. May cause redness and tearing of the eyes.
Skin contact	Harmful in contact with skin.
Ingestion	Harmful if swallowed. Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	354.00 mg/kg
ATEmix (dermal)	544.00 mg/kg

**ATEmix (inhalation-dust/mist) 2.00 mg/l**

**Unknown acute toxicity**

100 % of the mixture consists of ingredient(s) of unknown toxicity.

22 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

57 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

7 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
ACETONE	= 5800 mg/kg ( Rat )		= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
METHANOL	= 6200 mg/kg ( Rat )	= 15800 mg/kg ( Rabbit )	= 22500 ppm ( Rat ) 8 h = 64000 ppm ( Rat ) 4 h
XYLENE	= 3500 mg/kg ( Rat )	> 1700 mg/kg ( Rabbit ) > 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Target Organ Effects</b>	Central nervous system, Central Vascular System (CVS), Eyes, Gastrointestinal tract (GI), Respiratory system, Skin.
<b>Aspiration hazard:</b>	No information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecotoxicity**

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
ACETONE	-	4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50
METHANOL	-	28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static	-
HEPTANE	-	375.0: 96 h Cichlid fish mg/L LC50	10: 24 h Daphnia magna mg/L



			EC50
XYLENE	-	13.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 19: 96 h Lepomis macrochirus mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

Chemical Name	Partition coefficient
ACETONE	-0.24
METHANOL	-0.77
HEPTANE	4.66
XYLENE	2.77 - 3.15

**12.4. Mobility in soil**

**Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

No information available

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

**Waste from residues/unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Do not reuse container.

**Waste codes / waste designations according to EWC / AVV**

No data available

**Other Information**

Waste codes should be assigned by the user based on the application for which the product was used.

**Section 14: TRANSPORT INFORMATION**

**IMDG**

14.1 UN/ID no 1950  
 14.2 Proper shipping name: Aerosols, Limited Quantity (LQ)  
 14.3 Hazard Class 2.1  
 14.4 Packing Group None  
 14.5 Marine pollutant Not applicable  
 14.6 Special Provisions No information available  
 14.7 EmS-No F-D, S-U

**RID**

14.1 UN/ID no 1950  
 14.2 Proper shipping name: Aerosols, Limited Quantity (LQ)  
 14.3 Hazard Class 2.1  
 14.4 Packing Group None  
 14.5 Environmental hazard Not applicable  
 14.6 Special Provisions No information available  
 14.7 Classification code 5F

**ADR**

14.1 UN/ID no 1950  
 14.2 Proper shipping name: Aerosols, Limited Quantity (LQ)  
 14.3 Hazard Class 2.1  
 14.4 Packing Group None  
 14.5 Environmental hazard Not applicable  
 14.6 Special Provisions No information available  
 14.7 Classification code 5F

**IATA**

14.1 UN/ID no ID 8000  
 14.2 Proper shipping name: Consumer commodity  
 14.3 Hazard Class Not regulated  
 14.4 Packing Group None  
 14.5 Environmental hazard Not applicable  
 14.6 Special Provisions No information available  
 14.7 ERG Code 9L

**Section 15: REGULATORY INFORMATION**

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

Chemical Name	French RG number	Title
ACETONE 67-64-1	RG 84	-
METHANOL 67-56-1	RG 84	-
HEPTANE 142-82-5	RG 84	-
XYLENE 1330-20-7	RG 4bis, RG 84	-

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

Chemical Name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
METHANOL - 67-56-1	500	5000

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

No information available

**Section 16: OTHER INFORMATION**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of R-phrases referred to under sections 2 and 3**

No information available

**Full text of H-Statements referred to under section 3**

H312 - Harmful in contact with skin

H332 - Harmful if inhaled

H315 - Causes skin irritation

H226 - Flammable liquid and vapor

H336 - May cause drowsiness or dizziness

H304 - May be fatal if swallowed and enters airways

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H225 - Highly flammable liquid and vapor

H301 - Toxic if swallowed

H311 - Toxic in contact with skin

H331 - Toxic if inhaled

H370 - Causes damage to organs if inhaled

H319 - Causes serious eye irritation

EUH066 - Repeated exposure may cause skin dryness or cracking

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Revision Date** 13-Nov-2015

**Revision Note** Not applicable.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**End of Safety Data Sheet**