



Revision nr.2 Dated 11/18/2024 Printed on 11/18/2024 Page n. 1 / 12 Replaced revision:1 (Dated 9/18/2019)

# Safety Data Sheet

According to Canadian HPR - WHMIS 2015

1.1. Product identifier			
Code: Product name	CERA BLAC		
.2. Relevant identified uses of the substance or mixtu	re and uses adv	vised against	
Intended use	WAXING WA	X FOR NATURAL STONES.	
Identified Uses	Industrial	Professional	Consumer
ADHESIVE SYSTEM/TREATMENT FOR STONE SECTOR	~	~	-
.3. Details of the supplier of the safety data sheet			
Nama			
Name Full address	TENAX SPA Via I Maggio,	226	
District and Country	37020	Volargne Italy	(VR)
	Tel. Fax	+39 045 6887593 +39 045 6862456	
e-mail address of the competent person responsible for the Safety Data Sheet	msds@tenax	Lit	
Supplier:		all Executive Center Drive Suite 831173 - Fax 001 7045833166 sa.com	400, 28273 Charlotte NC, US
1.4. Emergency telephone number			
For urgent inquiries refer to	24hrs:		
	Manitoba Po	ison Centre 1-855-7POISON (1-8	55-776-4766)
	-	Poison Information Centre (DPI	IC)
		11 (toll free in BC) 50 (Greater Vancouver or outside	e of BC)
	Centre antipo	bison du Québec 1-800-463-5060	)
	-	l Poison Centre	
		61 (within NS and PEI only) 61 (Halifax or outside NS, PEI)	
		Drug Information Services (PAD 14 (toll free in Alberta, Northwes	
		12 (toll free in Saskatchewan) I4 (in Calgary, outside of Alberta	a, or VOIP users)
	Ontario Pois	on Centre 1-800-268-9017	

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in Canada's Hazardous Products Regulations (HPR) (WHMIS 2015). The product thus requires a safety datasheet.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.



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## 2. Hazards identification ... / >>

Classification and Hazard Statement Flammable liquid, category 2 Highly flammable liquid and vapour. Carcinogenicity, category 2 Suspected of causing cancer. Specific target organ toxicity - repeated exposure, Causes damage to organs through prolonged or repeated exposure. category 1 Aspiration hazard, category 1 May be fatal if swallowed and enters airways. Specific target organ toxicity - single exposure, May cause drowsiness or dizziness. category 3 Hazard pictograms: Signal words: Danger Hazard statements: H225 Highly flammable liquid and vapour. H351 Suspected of causing cancer. H372 Causes damage to organs through prolonged or repeated exposure. H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness. Precautionary statements: Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe dust / fume / gas / mist / vapours / spray. P202 Do not handle until all safety precautions have been read and understood. P242 Use non-sparking tools. P201 Obtain special instructions before use P280 Wear protective gloves/ protective clothing / eye protection / face protection. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P264 Wash the hands thoroughly after handling. P240 Ground and bond container and receiving equipment. P243 Take action to prevent static discharges. P241 Use explosion-proof [electrical / ventilating / lighting / ...] equipment. Response: P331 Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Call a POISON CENTRE / doctor / ... if you feel unwell. P312 P304+P340 IF INHALED: remove person to fresh air and keep comfortable for breathing. P370+P378 In case of fire: use CO2, sand, powder to extinguish. Storage: P403+P235 Store in a well-ventilated place. Keep cool. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. Disposal: P501 Dispose of contents / container according to applicable law. 2.2. Other hazards Environmental classification as for Reg. (EC) 1272/2008 (CLP): The product is classified as hazardous for environment pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). **Classification and Hazard Statement** Toxic to aquatic life with long lasting effects. Hazardous to the aquatic environment, chronic toxicity, category 2 Hazard pictograms:

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#### 2. Hazards identification ... / >>

Hazard statements:		
H411	Toxic to aquatic life with lor	ng lasting effects.
Precautionary statements:		
Prevention:		
P273	Avoid release to the enviro	nment.
Response:		
P391	Collect spillage.	
Storage:		
Disposal:		
P501	Dispose of contents / conta	ainer according to applicable law.
Additional hazards		
	use skin dryness or cracking	1.
3. Composition/informati		·
5. Composition/informati	on on ingredients	
3.2. Mixtures		
Contains:		
Contains.		
Identification	x = Conc. % (w/w)	Classification:
Hydrocarbons, C9-C12, n-alk	anes, isoalkanes, cyclics,	aromatics (2-25%)
CAS 64742-82-1	54 ≤ x < 56	Flammable liquid, category 3 H226, Specific target organ toxicity - repeated exposure, category 1 H372, Aspiration hazard, category 1 H304, Specific target organ toxicity - single exposure, category 3 H336, Hazardous to the
		aquatic environment, chronic toxicity, category 2 H411
HYDROCARBONS, C9-C10, I	N-ALKANES. ISOALKANES	
CAS	27 ≤ x < 29	Flammable liquid, category 3 H226, Aspiration hazard, category 1 H304,
		Specific target organ toxicity - single exposure, category 3 H336,
		Hazardous to the aquatic environment, chronic toxicity, category 3 H412
ETHYL ACETATE		
ETHYL ACETATE		
CAS 141-78-6	8.5 ≤ x < 9.5	Flammable liquid, category 2 H225, Eye irritation, category 2 H319, Specific target organ toxicity - single exposure, category 3 H336
CARBON BLACK		target organ toxicity - single exposure, category 5 host
CAS 1333-86-4	$0.4 \le x \le 0.7$	Carcinogenicity, category 2 H351

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

The full wording of hazard (H) phrases is given in section 16 of the sheet.

#### 4. First-aid measures

#### 4.1. Description of first aid measures

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

#### Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

# Tenax

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#### 4. First-aid measures ... / >>

Specific information on symptoms and effects caused by the product are unknown.

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

If symptoms occur, whether acute or delayed, consult a doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

## 5. Fire-fighting measures

#### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak. UNSUITABLE EXTINGUISHING EQUIPMENT Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

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

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

Combustion products: mainly COx.

#### 5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

# 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

#### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.



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# 7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

## 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2023
	RCP TLV	ACGIH TLVs and BEIs – Appendix H

				ETHYL ACETAT	E		
Threshold Limit V	/alue						
Туре	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
TLV-ACGIH	-	1441	400				
OEL	EU	734	200	1468	400		
OSHA	USA	1400	400				

Threshold Limit Value         STEL/15min         Remarks / Observations           Type         Country         TWA/8h         STEL/15min         Remarks / Observations           mg/m3         ppm         mg/m3         ppm			Hydrocarbo	ns, C9-C12, n-all	anes, isoalkanes,	cyclics, ar	omatics (2-25%)	
	Threshold Limit	Value						
ma/m3 ppm ma/m3 ppm	Туре	Country	TWA/8h		STEL/15min		Remarks / Observations	
			mg/m3	ppm	mg/m3	ppm		
RCP TLV 300 52	RCP TLV		300	52				

#### HYDROCARBONS, C9-C10, N-ALKANES, ISOALKANES, CYCLIC, < 2% AROMATIC

Threshold Limit	Value						
Туре	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
TLV-ACGIH	-	1595					
RCP TLV		1200	226				

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

#### ETHYL ACETATE

Sampling method: https://amcaw.ifa.dguv.de/substance/methoden/050-ethyl\_acetate\_2016.pdf

#### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must comply with current regulations.



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#### 8. Exposure controls/personal protection

#### HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (OSHA 29 CFR 1910.138): compatibility, degradation, permeability time.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

#### SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear. Wash body with soap and water after removing protective clothing. EYE PROTECTION

Wear airtight protective goggles (OSHA 29 CFR 1910.133, CSA Standard CAN/CSA-Z94.3-92). RESPIRATORY PROTECTION

... / >>

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a NIOSH certified filter, whose limit of use will be defined by the manufacturer (NIOSH 42 CFR 84, OSHA 29 CFR 1910.134, CSA Standard Z94.4-02). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus or external air-intake breathing apparatus. For a correct choice of respiratory protection device, see standard NIOSH 42 CFR 84, OSHA 29 CFR 1910.134, CSA Standard Z94.4-02. ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

HAND PROTECTION: Protect hands with work gloves for protection from chemical agents in nitrile or fluoroelastomer (EN 374-1: 2016) at least type B or higher based on the risk assessment carried out by the company. Breakthrough time> 480 minutes. Material thickness:

NITRILE short contact> 0.38 mm prolonged contact> 0.55 mm FLUOROELASTOMER short contact> 0.50 mm prolonged contact> 1.50 mm

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# 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Odour threshold       not available       Reason for missing data:substance/mixture is non-polar/aprotic (eg: an organic solvent mixture)         Meting point / freezing point       not available       not available         Initial boiling range       not available       mot available         Flash point       2 °C (95 °F)       mot available         Flash point       2 °C (35,6 °F)       responsible         Evaporation rate       not available       responsible         Flash point       2 °C (35,6 °F)       responsible         Upper explosive limit       not available       responsible         Upper explosive limit       not available       responsible         Vapour density       0.77 g/cm3       solubility         Solubility       SoLUBLE IN AROMATIC       responsition temperature         Partition coefficient: n-octanol/water       not available       responsition temperature         Octowaliable       responsition temperature       not available         Viscosity       not available       responsition temperature         Partition coefficient: n-octanol/water       not available       responsition temperature         Auto-ignition temperature       not available       responsition temperature         Viscosity       not available       responsition temperature	<b>Properties</b> Appearance Colour Odour		Value liquid black aromatic				Information
Initial boiling point> 35 °C (95 °F)Boiling rangenot availableFlash point2 °C (35,6 °F)Evaporation ratenot availableFlammabilitynot availableLower explosive limitnot availableUpper explosive limitnot availableVapour pressurenot availableVapour density0.77 g/cm3SolubilitySOLUBLE IN AROMATICPartition coefficient: n-octanol/waternot availableAuto-ignition temperaturenot availableViscositynot availableExplosive propertiesnot availableOxidising propertiesnot available							non-polar/aprotic (eg: an organic solvent
Boiling rangenot availableFlash point2 °C(35,6 °F)Evaporation ratenot availableFlammabilitynot availableLower explosive limitnot availableUpper explosive limitnot availableVapour pressurenot availableVapour densitynot availableRelative density0.77 g/cm3SolubilitySOLUBLE IN AROMATICPartition coefficient: n-octanol/waternot availableAuto-ignition temperaturenot availableViscositynot availableViscositynot availableExplosive propertiesnot availableOxidising propertiesnot available	Melting point / freezing point		not availa	able			
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Auto-ignition temperaturenot availableDecomposition temperaturenot availableViscositynot availableExplosive propertiesnot availableOxidising propertiesnot available	Solubility		SOLUBL	E IN AF	ROMATIC		
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Explosive properties not available Oxidising properties not available	Decomposition temperature		not availa	able			
Oxidising properties not available	Viscosity		not availa	able			
	Explosive properties		not availa	able			
9.2 Other information	Oxidising properties		not availa	able			
	9.2. Other information						



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#### 9. Physical and chemical properties ..../>>

VOC :

90,00 % - 693,00 g/litre

# 10. Stability and reactivity

## 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

## ETHYL ACETATE

Decomposes slowly into acetic acid and ethanol under the effect of light, air and water.

## 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

## 10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

## ETHYL ACETATE

Risk of explosion on contact with: alkaline metals,hydrides,oleum.May react violently with: fluorine,strong oxidising agents,chlorosulphuric acid,potassium tert-butoxide.Forms explosive mixtures with: air.

## 10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

## ETHYL ACETATE

Avoid exposure to: light,sources of heat,naked flames.

10.5. Incompatible materials

## ETHYL ACETATE

Incompatible with: acids,bases,strong oxidants,chlorosulphuric acid.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

# 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ETHYL ACETATE LD50 (Oral): LD50 (Dermal): LC50 (Inhalation vapours):

5620 mg/kg ratto > 20000 mg/kg coniglio > 6000 ppm/4h ratto



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# 11. Toxicological information ... / >>

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cycl LD50 (Oral): LD50 (Dermal): LC50 (Inhalation vapours):	lics, aromatics (2-25%) 3592 mg/kg Ratto > 3160 mg/kg Ratto > 6193 mg/m3 Ratto
CARBON BLACK LD50 (Oral):	> 8000 mg/kg
HYDROCARBONS, C9-C10, N-ALKANES, ISOAL LD50 (Oral): LD50 (Dermal): LC50 (Inhalation mists/powders):	<pre>KANES, CYCLIC, &lt; 2% AROMATIC &gt; 5000 mg/kg rat &gt; 2000 mg/kg rabbit 21.1 mg/l/4h rat</pre>
CARBON BLACK LD50 (oral): OECD 401 Guideline	
SKIN CORROSION / IRRITATION	
Repeated exposure may cause skin dryness or cracking.	
SERIOUS EYE DAMAGE / IRRITATION	
Does not meet the classification criteria for this hazard class	s
RESPIRATORY OR SKIN SENSITISATION	
Does not meet the classification criteria for this hazard class	s
GERM CELL MUTAGENICITY	
Does not meet the classification criteria for this hazard class	s
CARCINOGENICITY	
Suspected of causing cancer Carcinogenicity Assessment: 1333-86-4 CARBON BLACK IARC:2B	
REPRODUCTIVE TOXICITY	
Does not meet the classification criteria for this hazard class	s
STOT - SINGLE EXPOSURE	
May cause drowsiness or dizziness	
STOT - REPEATED EXPOSURE	
Causes damage to organs	
ASPIRATION HAZARD	
Toxic for aspiration	
12. Ecological information	
This product is dangerous for the environment and is toxic f environment.	for aquatic organisms. In the long term, it has negative effects on the aquatic
12.1. Toxicity	
CARBON BLACK NOEC (chronic/Algae): OCSE 201 method	



# 12. Ecological information ... / >>

ETHYL ACETATE				
LC50 - for Fish	230 mg/l/96h pimephales promelas			
EC50 - for Crustacea	165 mg/l/48h daphnia			
Hydrocarbons, C9-C12, n-alkanes, isoalkanes,	cyclics, aromatics (2-25%)			
LC50 - for Fish	9.2 mg/l/96h Oncorhynchus mykiss			
EC50 - for Crustacea	3.2 mg/l/48h Daphnia magna			
EC50 - for Algae / Aquatic Plants	2.9 mg/l/72h Pseudokirchneriella subcapitata			
CARBON BLACK				
LC50 - for Fish	> 1000 mg/l/96h Brachydanio rerio			
EC10 for Crustacea	5600 mg/l/48h Daphnia Magna			
Chronic NOEC for Algae / Aquatic Plants	10000 mg/l Scenedesmus subspicatus			
HYDROCARBONS, C9-C10, N-ALKANES, ISC	DALKANES, CYCLIC, < 2% AROMATIC			
LC50 - for Fish	8.2 mg/l/96h Pimephales promelas			
EC50 - for Crustacea	4.5 mg/l/48h Daphnia magna			
EC50 - for Algae / Aquatic Plants	3.1 mg/l/72h Pseudokirchnerella subcapitata			
12.2. Persistence and degradability				
ETHYL ACETATE				
Solubility in water Rapidly degradable	> 10000 mg/l			
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Rapidly degradable				
CARBON BLACK NOT rapidly degradable				
12.3. Bioaccumulative potential				
ETHYL ACETATE				
Partition coefficient: n-octanol/water	0.68			
BCF	30			
12.4. Mobility in soil				
HYDROCARBONS, C9-C10, N-ALKANES, ISO	DALKANES CYCLIC < 2% AROMATIC			
Partition coefficient: soil/water	1.78			
12.5. Results of PBT and vPvB assessment	1.70			
PBT substances contained: Hydrocarbons, C9-C12, n-alkanes, isoalkanes,	cyclics aromatics (2-25%)			
12.6. Other adverse effects	oyonos, atomatos (2-2070)			

@EPY 11.7.2 - SDS 1004.14



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Information not availa	able			
13. Disposal cons	siderations			
Disposal must be per CONTAMINATED PA	e. Neat product formed through ACKAGING	an authorised waste man	dered special non-hazardous wa agement firm, in compliance wit compliance with national waste	h national and local regulations.
14. Transport info		Y	· ·	5 5
14.1. UN number				
ADR / RID, IMDG, IA	TA: UN	I 1993		
14.2. UN proper shippin	g name			
ADR / RID: IMDG:	(2-25%)) FLAMMABLE		-	C12, n-alkanes, isoalkanes, cyclics, aromatics C12, n-alkanes, isoalkanes, cyclics, aromatics
IATA:	(2-25%)) FLAMMABLE (2-25%))	LIQUID, N.O.S. (ETHYL	ACETATE; Hydrocarbons, C9-(	C12, n-alkanes, isoalkanes, cyclics, aromatics
14.3. Transport hazard o	class(es)			•
ADR / RID:	Class: 3	Label: 3		
IMDG:	Class: 3	Label: 3		*
IATA:	Class: 3	Label: 3		
14.4. Packing group				
ADR / RID, IMDG, IA	TA: II			
14.5. Environmental haz	zards			
ADR / RID:	Environmenta	lly Hazardous		
IMDG:	Marine Polluta	ant		
IATA:	NO			
For Air transport, env	vironmentally ha	zardous mark is only mar	ndatory for UN 3077 and UN 30	82.
14.6. Special precaution	ns for user			
ADR / RID: IMDG: IATA:	Sp EN Ca Pa	N - Kemler: 33 ecial provision: 274, 601, IS: F-E, <u>S-E</u> rgo: ssengers: ecial provision:	Limited Quantities: 1 It 640C Limited Quantities: 1 It Maximum quantity: 60 L Maximum quantity: 5 L A3	Tunnel restriction code: (D/E) Packaging instructions: 364 Packaging instructions: 353

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

Information not relevant

ΕN

# 15. Regulatory information

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

Substances subject to the Rotterdam Convention: None

Canadian Regulatory Information

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

Safety Data Sheet according to WHMIS 2015.

## 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Highly flammable liquid and vapour. Flammable liquid and vapour. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Causes serious eye irritation. May cause drowsiness or dizziness.
May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CLP: Regulation (EC) 1272/2008
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PEL: Predicted exposure level
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- WHMIS: Workplace Hazardous Materials Information System.

#### GENERAL BIBLIOGRAPHY:

- GHS rev. 5
- The Merck Index. 10th Edition
- Handling Chemical Safety
- Niosh Registry of Toxic Effects of Chemical Substances
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy
- Hazard Products Regulation (HPR)
- WHMIS 2015



ΕN

#### 16. Other information ... / >>

- ONTARIO R.R.O. 1990, Regulation 883 (version July 2016)
- IARC website
- NTP. 2011. Report on Carcinogens, 12th Edition.
- OSHA website
- Cal/OSHA website - California Safe Drinking Water and Toxic Enforcement Act

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

#### CALCULATION METHODS FOR CLASSIFICATION

Product classification derives from criteria established by the Canada's Hazardous Products Regulations (HPR) (WHMIS 2015), unless determined otherwise in Section 11 and 12. The data for evaluation of chemical-physical properties are reported in section 9.

Changes to previous review:

The following sections were modified: 01 / 02 / 03 / 04 / 05 / 08 / 09 / 10 / 11 / 12 / 14 / 16.