

Safety data sheet according to U.S.A. Federal Hazcom 2012

SECTION 1. Identification of the	substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name Chemical name and synonym	UNIBLACK 1 CERE IN SOLUZIONE
1.2. Relevant identified uses of the substance	e or mixture and uses advised against
Intended use	WAX FOR STONES.
1.3. Details of the supplier of the safety data	sheet
Name Full address District and Country	Tenax Spa Via I Maggio, 226 37020 Volargne (VR) Italy Tel. +39 045 6887593 Fax +39 045 6862456
e-mail address of the competent person responsible for the Safety Data Sheet	msds@tenax.it
Product distribution by	TENAX USA – 7606 Whitehall Executive Center Drive - Unit 400 - Charlotte NC 28273 Tel. +1 704-583-1173 - Tel: (800) 341 0432 - Fax +1 704-583-3166 - info@tenaxusa.com
1.4. Emergency telephone number	
For urgent inquiries refer to	1-800-5355053 (1-352-323-3500 international)

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200). 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.

Classification and Hazard Statement. Highly flammable liquid and vapour. Flammable liquid, category 2 Reproductive toxicity, category 2 Suspected of damaging fertility or the unborn child. Aspiration hazard, category 1 May be fatal if swallowed and enters airways. Eye irritation, category 2 Causes serious eve irritation. May cause drowsiness or dizziness. Specific target organ toxicity - single exposure, category 3 Hazard pictograms: Signal words: Danger Hazard statements: H225 Highly flammable liquid and vapour. H361 Suspected of damaging fertility or the unborn child. H304 May be fatal if swallowed and enters airways. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. Precautionary statements: Prevention: P201 Obtain special instructions before use P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240 Ground / bond container and receiving equipment.

@EPY 9.1.2 - SDS 1003



/ >:

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SECTION 2. Hazards identification.

P241			-proof electrical / ventilating / lighting / / equipment.
P242			sparking tools.
P243			onary measures against static discharge.
P261			ng dust / fume / gas / mist / vapours / spray.
P264			roughly after handling.
P271 P280			oors or in a well-ventilated area. /e gloves / clothing and eye / face protection.
_		wear protection	e gioves / ciotining and eye / race protection.
Response			n haise de la companya di a tata a di a companya di a c
	P361+P353		or hair): take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+P	-340 P351+P338		remove person to fresh air and keep comfortable for breathing. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+F	- 331++ 330	Do NOT induc	
P370+P	2378		: use to extinguish.
Storage:		Ctore in a wall	
P403+P P403+P			I-ventilated place. Keep container tightly closed. I-ventilated place. Keep cool.
P403+P	200	Store locked u	
			4 ² .
Disposal:		Dianasa of	ntente / container according to applicable low
P501		Dispose of CO	ntents / container according to applicable law.
2.2. Othe	er hazards.		
	al hazards.		
	ted exposure may	cause skin dryne	ess or cracking.
	ted exposure may	cause skin dryne	sss or cracking.
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Repeate CTION 3. Con Substances Informatic Mixtures. Contains: Identificatio NAPHTHA (CAS. 1,2-DICHLO CAS. ETHYL ACE CAS. N-BUTYL AC CAS.	omposition/inform is. ion not relevar on. (PETROL.) HYDR 64742-48-9 DROPROPANE 78-87-5 ETATE 141-78-6 ACETATE 123-86-4	nation on ingredie nt. Conc. %. OTREATED HEAV 30 - 50 10 - 20 10 - 20	 nts. Classification: Y Flammable liquid, category 3 H226, Aspiration hazard, category 1 H304, Specific target organ toxicity - single exposure, category 3 H336 Flammable liquid, category 2 H225, Acute toxicity, category 4 H302, Acute toxicity, category 4 H332 Flammable liquid, category 2 H225, Eye irritation, category 2 H319, Specific target organ toxicity - single exposure, category 3 H336 Flammable liquid, category 2 H225, Eye irritation, category 2 H319, Specific target organ toxicity - single exposure, category 3 H336 Flammable liquid, category 3 H226, Specific target organ toxicity - single exposure, category 3 H336 Flammable liquid, category 2 H226, Specific target organ toxicity - single exposure, category 1 H372,
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The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed. Information not available.



SECTION 5. Firefighting 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.

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).

SECTION 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. Check incompatibility for container material in section 7. 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.

SECTION 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. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. 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 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.



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SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory Referen	nces:				
USA	NIOSH-R	REL	NIOSH publi	ication No. 200	05-149, 3th printing, 2007.
USA	OSHA-PE	ΞL	Occupationa	I Exposure Lin	mits - Limits for Air Contaminants TABLE Z-1-1910.1000.
USA	CAL/OSH		California Di (PELs).	vision of Occu	upational Safety and Health (Cal-OSHA) Permissible Exposure Lir
EU	OEL EU TLV-ACG		Directive 200 ACGIH 2014	,	irective 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
				1,2-DICHL	OROPROPANE
Threshold Limit V	/alue.				
Туре	Country	TWA/8h mg/m3	۱ ppm	STEL/15 mg/m3	5min ppm
TLV-ACGIH	-	46	10		
OSHA	USA	350	75		
CAL/OSHA	USA	350	75	510	110
-				ETHYL	LACETATE
Threshold Limit V				0751 //	
Туре	Country	TWA/8h mg/m3	ן ppm	STEL/15 mg/m3	ppm
TLV-ACGIH	-	1441	400		
OSHA	USA	1400	400		
CAL/OSHA	USA	1.4	400		
NIOSH	USA	1400	400		
Threshold Limit V	/oluo			N-BUTY	YL ACETATE
Type	Country	TWA/8h	,	STEL/15	5min
rype	Country	mg/m3	ppm	mg/m3	ppm
TLV-ACGIH	-	713	150	950	200
OSHA	USA	710	150		
CAL/OSHA	USA	710	150	950	200
NIOSH	USA	710	150	950	200
				ME.	THANOL
Threshold Limit V	/alue.				

				MEI	HANOL	
nreshold Limit V	alue.					
Туре	Country	TWA/8h		STEL/15	min	
		mg/m3	ppm	mg/m3	ppm	
OEL	EU	260	200			SKIN.
TLV-ACGIH	-	262	200	328	250	
OSHA	USA	260	200			
CAL/OSHA	USA	260	200	325 (C)	1000 (C)	SKIN.
NIOSH	USA	260	200	325	250	SKIN.

TLV of solvent mixture: 79 mg/m3.

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. Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (OSHA 29 CFR 1910.138).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

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 (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.



SECTION 8. Exposure controls/personal protection. />>

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion. EYE PROTECTION

Wear airtight protective goggles (OSHA 29 CFR 1910.133).

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). 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 and OSHA 29 CFR 1910.134.

ENVIRONMENTAL EXPOSURE CONTROLS.

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

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	•	liquid	
Colour		black	
Odour		aromatic	
Odour threshold.		Not available.	
pH.		Not available.	
Melting point / freezing point.		Not available.	
Initial boiling point.	>	35 °C.	(95 °F)
Boiling range.		Not available.	
Flash point.	<	23 °C.	(73,4 °F)
Evaporation rate		Not available.	
Flammability (solid, gas)		Not available.	
Lower inflammability limit.		Not available.	
Upper inflammability limit.		Not available.	
Lower explosive limit.		Not available.	
Upper explosive limit.		Not available.	
Vapour pressure.		Not available.	
Vapour density		Not available.	
Relative density.		1.1 Kg/l	
Solubility		SOLUBLE IN AROMATIC	
Partition coefficient: n-octanol/water		Not available.	
Auto-ignition temperature.		Not available.	
Decomposition temperature.		Not available.	
Viscosity		Not available.	
Explosive properties		Not available.	
Oxidising properties		Not available.	
9.2. Other information.			
VOC :		66,68 % - 566,76	g/litre.
VOC (volatile carbon) :		41,89 % - 356,05	g/litre.

SECTION 10. Stability and reactivity.

10.1. Reactivity.

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

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM: can form flammable mixtures with the air. SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM: can form flammable mixtures with the air. SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM: can form flammable mixtures with the air.

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.

1,2-DICHLOROPROPANE: risk of explosion on contact with: aluminium and metal powders. It may react dangerously with: alkaline metals, alkaline earth metals, sodium amides. Forms explosive mixtures with the air.

ETHYL ACETATE: risk of explosion on contact with: metals, alkalis, hydrides oleum can react violently with: fluoride, strong oxidising agents, chlorosulfuric acid, potassium tert-butoxide. Forms explosive mixtures with the air.

N-BUTYL ACETATE: risk of explosion on contact with: strong oxidising agents. Can react dangerously with alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with the air.

10.4. Conditions to avoid.

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



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SECTION 10. Stability and reactivity.

ETHYL ACETATE: avoid exposure to light, sources of heat and naked flames. N-BUTYL ACETATE: avoid exposure to moisture, sources of heat and naked flames.

10.5. Incompatible materials.

ETHYL ACETATE: acids and bases, strong oxidising agents; aluminium and some plastics, nitrates and chlorosulphuric acid. N-BUTYL ACETATE: water, nitrates, strong oxidising agents, acids and alkalis and potassium tert-butoxide.

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.

1,2-DICHLOROPROPANE: hydrochloric acid.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

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.

This product must be handled carefully because of its possible teratogenic effects, which may reduce human fertility or because of its possible teratogenic effects, which may be toxic and damage the foetus development.

The introduction of even small quantities of this liquid into the respiratory system in case of ingestion or vomit may cause bronchopneumonia and pulmonary edema.

Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects, such as drowsiness, dizziness, slow reflexes, narcosis.

This product may have a degreasing action on the skin, producing dryness and chapped skin after repeated exposure.

METHANOL: The minimal lethal dose following ingestion is considered to be in the range of 300-1000 mg/kg. Ingestion of as little as 4-10 ml methanol in adults may cause permanent blindness (IPCS).

N-BUTYL ACETATE:in humans the substance's vapours cause irritation to the eues and nose. In the event of repeated exposure, there is skin irritation, dermatosis (with driness and flaking of the skin) and keratitis.

N-BUTYL ACETATE	
LD50 (Oral).	> 6400 mg/kg Rat
LD50 (Dermal).	> 5000 mg/kg Rabbit
LC50 (Inhalation).	21.1 mg/l/4h Rat

NAPHTHA (PETROL.) HYDRO	DTREATED HEAVY
LD50 (Oral).	> 5000 mg/kg Rat
LD50 (Dermal).	> 2000 mg/kg Rabbit
LC50 (Inhalation).	21.1 mg/l/4h rat

Carcinogenicity Assessment: 78-87-5 1,2-DICHLOROPROPANE ACGIH:: A4 IARC:3

SECTION 12. Ecological information.

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

12.1. Toxicity.

NAPHTHA (PETROL.) HYDROTREATED HEAVY LC50 - for Fish. EC50 - for Crustacea. EC50 - for Algae / Aquatic Plants.

8.2 mg/l/96h Pimephales promelas4.5 mg/l/48h Daphnia magna3.1 mg/l/72h Pseudokirchnerella subcapitata

12.2. Persistence and degradability.



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SECTION 12. Ecological information.

1,2-DICHLOROPROPANE Solubility in water. NOT rapidly biodegradable.	mg/l 1000 - 10000
METHANOL Solubility in water. Rapidly biodegradable.	mg/l 1000 - 10000
ETHYL ACETATE Solubility in water. Rapidly biodegradable.	> 10000 mg/l
N-BUTYL ACETATE Solubility in water.	mg/l 1000 - 10000
NAPHTHA (PETROL.) HYDROTREATED HEAVY Rapidly biodegradable.	
12.3. Bioaccumulative potential.	
1,2-DICHLOROPROPANE Partition coefficient: n-octanol/water.	1.99
METHANOL Partition coefficient: n-octanol/water. BCF.	-0.77 0.2
ETHYL ACETATE Partition coefficient: n-octanol/water. BCF.	0.68 30
N-BUTYL ACETATE Partition coefficient: n-octanol/water. BCF.	2.3 15.3
12.4. Mobility in soil.	
1,2-DICHLOROPROPANE Partition coefficient: soil/water.	1.72
N-BUTYL ACETATE Partition coefficient: soil/water.	< 3
NAPHTHA (PETROL.) HYDROTREATED HEAVY Partition coefficient: soil/water.	1.78
12.5. Results of PBT and vPvB assessment. Information not available.	
12.6. Other adverse effects.	

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to dangerous goods transport regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.



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SECTION 14. Transport information.

14.1. UN number.

ADR / RID, IMDG, IATA: 1993

14.2. UN proper shipping name.

ADR / RID: IMDG: IATA: FLAMMABLE LIQUID, N.O.S. (1,2-DICHLOROPROPANE; ETHYL ACETATE) FLAMMABLE LIQUID, N.O.S. (1,2-DICHLOROPROPANE; ETHYL ACETATE) FLAMMABLE LIQUID, N.O.S. (1,2-DICHLOROPROPANE; ETHYL ACETATE)

14.3. Transport hazard 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, IATA:

14.5. Environmental hazards.

ADR / RID:	NO
IMDG:	NO
IATA:	NO

14.6. Special precautions for user.

ADR / RID:	HIN - Kemler: 33	Limited Quantities 1 L	Tunnel restriction code (D/E)
IMDG: IATA:	Special Provision: 640C EMS: F-E, <u>S-E</u> Cargo:	Limited Quantities 1 L Maximum quantity: 60 L	Packaging instructions: 364
	Pass.:	Maximum quantity: 5 L	Packaging instructions: 353
	Special Instructions:	A3	

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.

Information not relevant.

SECTION 15. Regulatory information.

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

U.S. Federal Regulations.

 $\underline{\mbox{TSCA:}}$ All components are listed on TSCA Inventory.

Clean Air Act Section 112(b):

 78-87-5
 1,2-DICHLOROPROPANE

 67-56-1
 METHANOL

Clean Air Act Section 602 Class I Substances: No component(s) listed.

Clean Air Act Section 602 Class II Substances:



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SECTION 15. Regulatory information.

1,2-DICHLOROPROPANE <u>ilutants:</u> 1,2-DICHLOROPROPANE <u>ursor Chemicals):</u> red. <u>ential Chemicals):</u> red. 1,2-DICHLOROPROPANE METHANOL
1,2-DICHLOROPROPANE ursor Chemicals): red. ential Chemicals): red. 1,2-DICHLOROPROPANE
ursor Chemicals): ed. ential Chemicals): ed. 1,2-DICHLOROPROPANE
ed. ential Chemicals): red. 1,2-DICHLOROPROPANE
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1,2-DICHLOROPROPANE
1,2-DICHLOROPROPANE METHANOL
1,2-DICHLOROPROPANE METHANOL
METHANOL
PQ:
ed.
Q:
ed.
1.2-DICHLOROPROPANE
METHANOL
ETHYL ACETATE
N-BUTYL ACETATE
1,2-DICHLOROPROPANE
METHANOL
1,2-DICHLOROPROPANE
METHANOL
ETHYL ACETATE
Q:
ied.
1,2-DICHLOROPROPANE
METHANOL ETHYL ACETATE
N-BUTYL ACETATE
1,2-DICHLOROPROPANE METHANOL
ETHYL ACETATE
N-BUTYL ACETATE
1,2-DICHLOROPROPANE
METHANOL
ETHYL ACETATE
N-BUTYL ACETATE
1,2-DICHLOROPROPANE
METHANOL
ETHYL ACETATE N-BUTYL ACETATE
N-DUTTE AGETATE



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SECTION 15. Regulatory information.

78-87-5	1.2-DICHLOROPROPANE	
67-56-1	METHANOL	
141-78-6	ETHYL ACETATE	
123-86-4	N-BUTYL ACETATE	
California:		
78-87-5	1,2-DICHLOROPROPANE	
67-56-1	METHANOL	
141-78-6	ETHYL ACETATE	
123-86-4	N-BUTYL ACETATE	
Proposition 65:		
WARNING! This product contains chemicals known to the State of California to cause cancer and birth defects or reproductive harm.		
78-87-5	1,2-DICHLOROPROPANE C	
67-56-1	METHANOL D	
International Regulation		
International Regulations. Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:		
None.		
0		
Substances subject to the Rotterdam Convention:		
None.		
Substances subject to the Stockholm Convention:		
None.		
Candadian WHMIS.		
Sandadian winitio.		

Information not available.

SECTION 16. Other information.

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

Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Repr. 2	Reproductive toxicity, category 2
STOT SE 1	Specific target organ toxicity - single exposure, category 1
Acute Tox. 4	Acute toxicity, category 4
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
Asp. Tox. 1	Aspiration hazard, category 1
Eye Irrit. 2	Eye irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
Aquatic Chronic 4	Hazardous to the aquatic environment, chronic toxicity, category 4
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H370	Causes damage to organs.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

LEGEND:

- 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAA 112 ® RMP TQ: Risk Management Plan Threshold Quantity (Clean Air Act Section 112®)
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act)
- CLP: EC Regulation 1272/2008
- DEA: Drug Enforcement Administration
- EmS: Emergency Schedule
- EPA: US Environmental Protection Agency
- EPCRA: Emergency Planning and Community Right-to Know Act
- EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code)
- EPCRA 304 EHS RQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code)



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SECTION 16. Other information.

- EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code)
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation

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- 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
- RCRA Code: Resource Conservation and Recovery Act Code
- REL: Recommended exposure limit
- 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.
- TSCA: Toxic Substances Control Act
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- WHMIS: Workplace Hazardous Materials Information System.

GENERAL BIBLIOGRAPHY:

- GHS rev. 3
- 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
- 6 NYCRR part 597
- Cal/OSHA website
- California Safe Drinking Water and Toxic Enforcement Act
- EPA website
- Hazard Comunication Standard (HCS 2012)
- IARC website
- List Of Lists EPA: Consolidated List of Chemicals Subject to EPCRA, CERCLA and Section 112® of the Clean Air Act
- Massachussetts 105 CMR Department of public health 670.000: "Right to Know"
- Minensota Chapter 5206 Departemnt Of Labor and Industry Hazardous Substances, Employee "Right to Know".
- New Jersey Worker and Community Right to know Act N.J.S.A.
- NTP. 2011. Report on Carcinogens, 12th Edition.
- OSHA website
- Pennsylvania, Hazardous Substance List, Chapter 323

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.

Changes to previous review: The following sections were modified:

01 / 09 / 14.