

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

### 1. Identification

#### 1.1. Product identifier

Product name **AGER**

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

Intended use **PRIMER FOR NATURAL STONE.**

Identified Uses	Industrial	Professional	Consumer
<b>ADHESIVE SYSTEM/TREATMENT FOR STONE SECTOR</b>	-	✓	-

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

Name **Tenax Spa**  
Full address **Via I Maggio, 226**  
District and Country **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)**

### 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

Flammable liquid, category 2  
Reproductive toxicity, category 2  
Aspiration hazard, category 1  
Eye irritation, category 2  
Specific target organ toxicity - single exposure, category 3

Highly flammable liquid and vapour.  
Suspected of damaging fertility or the unborn child.  
May be fatal if swallowed and enters airways.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.

##### 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:



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

### 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.  
**P233** Keep container tightly closed.  
**P240** Ground / bond container and receiving equipment.  
**P241** Use explosion-proof electrical / ventilating / lighting / . . . / equipment.  
**P242** Use only non-sparking tools.  
**P243** Take precautionary measures against static discharge.  
**P261** Avoid breathing dust / fume / gas / mist / vapours / spray.  
**P264** Wash . . . thoroughly after handling.  
**P271** Use only outdoors or in a well-ventilated area.  
**P280** Wear protective gloves / clothing and eye / face protection.

### Response:

- P301+P310** IF SWALLOWED: immediately call a POISON CENTER / doctor / . . .  
**P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.  
**P304+P340** IF INHALED: remove person to fresh air and keep comfortable for breathing.  
**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P308+P313** IF exposed or concerned: Get medical advice / attention.  
**P312** Call a POISON CENTER / doctor / . . . / if you feel unwell.  
**P331** Do NOT induce vomiting.  
**P337+P313** If eye irritation persists: Get medical advice / attention.  
**P370+P378** In case of fire: use . . . to extinguish.

### Storage:

- P403+P233** Store in a well-ventilated place. Keep container tightly closed.  
**P403+P235** Store in a well-ventilated place. Keep cool.  
**P405** Store locked up.

### Disposal:

- P501** Dispose of contents / container according to applicable law.

### 2.2. Other hazards

#### Additional hazards

**Repeated exposure may cause skin dryness or cracking.**

## 3. Composition/information on ingredients

### 3.1. Substances

Information not relevant

### 3.2. Mixtures

#### Contains:

Identification	Conc. %	Classification:
<b>ETHYL ACETATE</b> CAS 141-78-6	22.73	<b>Flammable liquid, category 2 H225, Eye irritation, category 2 H319, Specific target organ toxicity - single exposure, category 3 H336</b>
EC 205-500-4 INDEX 607-022-00-5		
<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b> CAS 64742-48-9	18.405	
EC 919-857-5 INDEX		<b>Flammable liquid, category 3 H226, Aspiration hazard, category 1 H304, Specific target organ toxicity - single exposure, category 3 H336</b>
<b>N-BUTYL ACETATE</b> CAS 123-86-4	2.045	
EC 204-658-1 INDEX 607-025-00-1		<b>Flammable liquid, category 3 H226, Specific target organ toxicity - single exposure, category 3 H336</b>
<b>Diocetylindilaruate</b> CAS 3648-18-8	0.284	
EC 222-883-3 INDEX		<b>Reproductive toxicity, category 2 H361d, Specific target organ toxicity - repeated exposure, category 1 H372, Hazardous to the aquatic environment, chronic toxicity, category 3 H412</b>



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## 3. Composition/information on ingredients ... / >>

### METHANOL

CAS 67-56-1 0.176

Flammable liquid, category 2 H225, Acute toxicity, category 3 H301, Acute toxicity, category 3 H311, Acute toxicity, category 3 H331, Specific target organ toxicity - single exposure, category 1 H370

EC 200-659-6

INDEX 603-001-00-X

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

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

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

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

Information not available

## 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.

### 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.



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## 6. Accidental release measures ... / >>

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

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. 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.

## 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

## 8. Exposure controls/personal protection

### 8.1. Control parameters

Regulatory References:

USA	NIOSH-REL	NIOSH publication No. 2005-149, 3th printing, 2007.
USA	OSHA-PEL	Occupational Exposure Limits - Limits for Air Contaminants TABLE Z-1-1910.1000.
USA	CAL/OSHA-PEL	California Division of Occupational Safety and Health (Cal-OSHA) Permissible Exposure Limits (PELs).
EU	OEL EU	Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2016

#### ETHYL ACETATE

##### Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH	-	1441	400		
OEL	EU	734	200	1468	400
OSHA	USA	1400	400		
CAL/OSHA	USA	1.4	400		
NIOSH	USA	1400	400		

#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

##### Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH	-	1200	197		



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

### N-BUTYL ACETATE

#### Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
TLV-ACGIH	-		50		150
OSHA	USA	710	150		
CAL/OSHA	USA	710	150	950	200
NIOSH	USA	710	150	950	200

### METHANOL

#### Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	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

Legend:

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

## 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.

#### 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.

#### 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.

## 9. Physical and chemical properties

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

Appearance	liquid		
Colour	colourless		
Odour	typical		
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		



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

Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1.10
Solubility	soluble in organic solvents
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 :	43,36 % - 411,88	g/litre
VOC (volatile carbon) :	29,31 % - 322,37	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.

#### N-BUTYL ACETATE

Decomposes on contact with: 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.

#### N-BUTYL ACETATE

Risk of explosion on contact with: strong oxidising agents.May react dangerously with: alkaline hydroxides,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.

#### N-BUTYL ACETATE

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

### 10.5. Incompatible materials

#### ETHYL ACETATE

Incompatible with: acids,bases,strong oxidants,aluminium,nitrates,chlorosulphuric acid.Incompatible materials: plastic materials.

#### N-BUTYL ACETATE

Incompatible with: water,nitrates,strong oxidants,acids,alkalis,zinc.

### 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.



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## 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

##### METHANOL

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; contact with the skin of products containing the substance.

##### N-BUTYL ACETATE

WORKERS: inhalation; contact with the skin.

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

##### METHANOL

The minimum lethal dose for humans by ingestion is considered to be in the range from 300 to 1000 mg/kg. Ingestion of 4-10 ml of the substance may cause permanent blindness in adult humans (IPCS).

##### N-BUTYL ACETATE

In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

#### Interactive effects

##### N-BUTYL ACETATE

A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).

#### ACUTE TOXICITY

LC50 (Inhalation) of the mixture:	> 20 mg/l
LD50 (Oral) of the mixture:	>2000 mg/kg
LD50 (Dermal) of the mixture:	>2000 mg/kg

##### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

LD50 (Oral)	> 5000 mg/kg rat
LD50 (Dermal)	> 5000 mg/kg rabbit
LC50 (Inhalation)	> 4951 mg/l/4h rat

##### N-BUTYL ACETATE

LD50 (Oral)	> 6400 mg/kg Rat
LD50 (Dermal)	> 5000 mg/kg Rabbit

#### SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.  
Does not meet the classification criteria for this hazard class

#### SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

#### RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class



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## 11. Toxicological information ... / >>

### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

### REPRODUCTIVE TOXICITY

Suspected of damaging fertility or the unborn child

### STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

### ASPIRATION HAZARD

Toxic for inhalation

## 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

Information not available

### 12.2. Persistence and degradability

#### METHANOL

Solubility in water 1000 - 10000 mg/l  
Rapidly degradable

#### ETHYL ACETATE

Solubility in water > 10000 mg/l  
Rapidly degradable

#### N-BUTYL ACETATE

Solubility in water 1000 - 10000 mg/l

### 12.3. Bioaccumulative potential

#### METHANOL

Partition coefficient: n-octanol/water -0.77

BCF 0.2

#### ETHYL ACETATE

Partition coefficient: n-octanol/water 0.68

BCF 30



### 12. Ecological information ... / >>

N-BUTYL ACETATE

Partition coefficient: n-octanol/water 2.3

BCF 15.3

#### 12.4. Mobility in soil

N-BUTYL ACETATE

Partition coefficient: soil/water &lt; 3

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

Information not available

#### 12.6. Other adverse effects

Information not available

### 13. Disposal considerations

#### 13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

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

CONTAMINATED PACKAGING

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

### 14. Transport information

#### 14.1. UN number

ADR / RID, IMDG, IATA: 1993

#### 14.2. UN proper shipping name

ADR / RID: FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics)

IMDG: FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics)

IATA: FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics)

#### 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: II

#### 14.5. Environmental hazards

ADR / RID: NO

IMDG: NO

IATA: NO



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## 14. Transport information ... / >>

### 14.6. Special precautions for user

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

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

Information not relevant

## 15. Regulatory information

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

#### U.S. Federal Regulations

Clean Air Act Section 112(b):  
67-56-1 METHANOL

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

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

Clean Water Act – Priority Pollutants:  
No component(s) listed.

Clean Water Act – Toxic Pollutants:  
No component(s) listed.

DEA List I Chemicals (Precursor Chemicals):  
No component(s) listed.

DEA List II Chemicals (Essential Chemicals):  
No component(s) listed.

EPA List of Lists:  
313 Category Code:  
67-56-1 METHANOL

EPCRA 302 EHS TPQ:  
No component(s) listed.

EPCRA 304 EHS RQ:  
No component(s) listed.

CERCLA RQ:  
67-56-1 METHANOL  
141-78-6 ETHYL ACETATE  
123-86-4 N-BUTYL ACETATE

EPCRA 313 TRI:  
67-56-1 METHANOL

RCRA Code:  
67-56-1 METHANOL  
141-78-6 ETHYL ACETATE

CAA 112 (r) RMP TQ:  
No component(s) listed.

#### State Regulations



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## 15. Regulatory information ... / >>

### Massachussetts:

141-78-6 ETHYL ACETATE  
123-86-4 N-BUTYL ACETATE  
67-56-1 METHANOL

### Minnesota:

141-78-6 ETHYL ACETATE  
123-86-4 N-BUTYL ACETATE  
67-56-1 METHANOL

### New Jersey:

141-78-6 ETHYL ACETATE  
123-86-4 N-BUTYL ACETATE  
67-56-1 METHANOL

### New York:

141-78-6 ETHYL ACETATE  
123-86-4 N-BUTYL ACETATE  
67-56-1 METHANOL

### Pennsylvania:

141-78-6 ETHYL ACETATE  
123-86-4 N-BUTYL ACETATE  
67-56-1 METHANOL

### California:

141-78-6 ETHYL ACETATE  
123-86-4 N-BUTYL ACETATE  
67-56-1 METHANOL

### Proposition 65:

**WARNING!** This product contains chemicals known to the State of California to cause cancer and birth defects or reproductive harm.  
67-56-1 METHANOL D

### International Regulations

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

Diocetylindilaruate - (DIOCTYL TIN COMPOUNDS)

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

### Canadian WHMIS

Information not available

## 16. Other information

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

<b>Flam. Liq. 2</b>	Flammable liquid, category 2
<b>Flam. Liq. 3</b>	Flammable liquid, category 3
<b>Repr. 2</b>	Reproductive toxicity, category 2
<b>Acute Tox. 3</b>	Acute toxicity, category 3
<b>STOT SE 1</b>	Specific target organ toxicity - single exposure, category 1
<b>STOT RE 1</b>	Specific target organ toxicity - repeated exposure, category 1
<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Aquatic Chronic 3</b>	Hazardous to the aquatic environment, chronic toxicity, category 3
<b>H225</b>	Highly flammable liquid and vapour.
<b>H226</b>	Flammable liquid and vapour.
<b>H361</b>	Suspected of damaging fertility or the unborn child.
<b>H361d</b>	Suspected of damaging the unborn child.
<b>H301</b>	Toxic if swallowed.
<b>H311</b>	Toxic in contact with skin.
<b>H331</b>	Toxic if inhaled.
<b>H370</b>	Causes damage to organs.
<b>H372</b>	Causes damage to organs through prolonged or repeated exposure.



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<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H319</b>	Causes serious eye irritation.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H412</b>	Harmful to aquatic life with long lasting effects.

#### 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)
- 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
- 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
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy
- 6 NYCRR part 597
- Cal/OSHA website
- California Safe Drinking Water and Toxic Enforcement Act
- EPA website
- Hazard Communication 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
- Massachusetts 105 CMR Department of public health 670.000: "Right to Know"
- Minnesota Chapter 5206 Department 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.



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

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 / 02 / 03 / 04 / 08 / 09 / 10 / 11 / 12 / 13 / 14 / 15 / 16.

Changed TLVs in section 8.1 for following countries:

EU,