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# 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

LM PRE-BOTTOM C

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

Intended use Pre-bottom for leathers

1.3. Details of the supplier of the safety data sheet

Name UNITERS SPA
Full address Via E. De Nicola, 1

District and Country 36075 Montecchio Maggiore (VI)

Italia

Tel. 0039 0444 499099 Fax 0039 0444 499106

e-mail address of the competent person

responsible for the Safety Data Sheet safetydata@uniters.com

1.4. Emergency telephone number

For urgent inquiries refer to

Poison Center (Albuquerque, Amarillo, Atlanta, Baltimore, Birmingham, Boston, Buffalo, Charleston, Charlotte, Charlottesville, Chicago, Cincinnati, Cleveland, Columbia, Columbus Dallas, Davis, Denver, Detroit, El Paso, Farmington, Galveston, Harrisbury, Indianapolis, Jackson, Jacksonville, Kansas City, Little Rock, Long Island, Louisville, Madera, Miami, Milwaukee, Minneapolis, Nashville, New York, Newark, Oklahoma City, Omaha, Philadelphia, Phoenix, Pittsburgh, Portland, Richmond, Rochester, Salt Lake City, San Antonio, San Diego, San Francisco, Seattle, Shreveport, Sioux City, St. Louis, Syracuse, Tampa, Temple, Tucson, Tuscaloosa, Washington DC): 18002221222

# **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. Flammable liquid, category 3

Specific target organ toxicity - single exposure, category 3

Flammable liquid and vapour. May cause drowsiness or dizziness.





Signal words:

Warning

Hazard statements:

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H226 Flammable liquid and vapour.
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.

P240 Ground / bond container and receiving equipment.

**P241** Use explosion-proof electrical, ventilating and lighting equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P271 Use only outdoors or in a well-ventilated area.

**P280** Wear protective gloves / eye protection / face protection.

Response:

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.

P312 Call a doctor if you feel unwell.
P370+P378 In case of fire: use water 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 in accordance with the rules on waste

2.2. Other hazards.

The product is not classified as hazardous for environment pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP).

# **SECTION 3. Composition/information on ingredients.**

#### 3.1. Substances.

Information not relevant.

## 3.2. Mixtures.

Contains:

Identification.  1-METHOXY-2-PROPANOL	Conc. %.	Classification:
CAS. 107-98-2	40 - 42.5	Flammable liquid, category 3 H226, Specific target organ toxicity - single exposure, category 3 H336
2-BUTOXYETHANOL		
CAS. 111-76-2	0.4 - 0.45	Acute toxicity, category 4 H302, Acute toxicity, category 4 H312, Acute toxicity, category 4 H332, Eye irritation, category 2 H319, Skin irritation, category 2 H315

Note: Upper limit is not included into the range.

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

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# **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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

#### 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.

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## 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. 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. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

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

Store only in the original container. 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.

# **SECTION 8. Exposure controls/personal protection.**

## 8.1. Control parameters.

Regulatory References:

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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 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC;

Directive 2000/39/EC.

TLV-ACGIH ACGIH 2014

#### 1-METHOXY-2-PROPANOL

Threshold Limit Value. Type	Country	TWA/8h		STEL/15min			
		mg/m3	ppm	mg/m3	ppm		
OEL	EU	375	100	568	150	SKIN.	
TLV-ACGIH	-	184	50	368	100		
CAL/OSHA	USA	360	100	540	150	SKIN.	
NIOSH	USA	360	100	540	150		

# 2-BUTOXYETHANOL

_ 4	2-BUTUATETHANUL						
1	Threshold Limit Value.						
Т	Гуре	Country	TWA/8h		STEL/15min		
			mg/m3	ppm	mg/m3	ppm	
	DEL	EU	98	20	246	50	SKIN.
Т	TLV-ACGIH	-	97	20			
	DSHA	USA	240	50			SKIN.
	CAL/OSHA	USA	97	20			SKIN.
1	NIOSH	USA	24	5			SKIN.

## 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.

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 class must be chosen according to the limit of use concentration (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

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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 opalescent Odour weak Odour threshold. Not available. Not available. Melting point / freezing point. Not available. Initial boiling point. 100 °C. Boiling range. Not available. Flash point. 55 °C. 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. 1.000 Kg/l Solubility in water 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.

Information not available.

# 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.

## 10.2. Chemical stability.

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

## 10.3. Possibility of hazardous reactions.

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The vapours may also form explosive mixtures with the air.

2-BUTOXYETHANOL: can react dangerously with: aluminium, oxidising agents. Forms peroxide with air.

1-METHOXY-2-PROPANOL: can react dangerously with strong oxidising agents and strong acids.

#### 10.4. Conditions to avoid.

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

2-BUTOXYETHANOL: avoid exposure to sources of heat and naked flames.

1-METHOXY-2-PROPANOL: avoid exposure to the air.

#### 10.5. Incompatible materials.

1-METHOXY-2-PROPANOL: oxidising agents, strong acids and alkaline metals.

#### 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.

2-BUTOXYETHANOL: hydrogen.

# **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 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.

1-METHOXY-2-PROPANOL: the main way of entry is the skin, whereas the respiratory way is less important owing to the low vapour tension of the product. Concentrations above 100 ppm cause eye irritation, nose and oropharynx. At 1000 ppm disturbance in the equilibrium and severe eye irritation is observed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and ocular irritation on direct contact. No chronic effects have been reported in man.

2-BUTOXYETHANOL LD50 (Oral).615 mg/kg Rat LD50 (Dermal).405 mg/kg Rabbit LC50 (Inhalation).2.2 mg/l/4h Rat

1-METHOXY-2-PROPANOL LD50 (Oral).5300 mg/kg Rat LD50 (Dermal).13000 mg/kg Rabbit LC50 (Inhalation).54.6 mg/l/4h Rat

Carcinogenicity Assessment:107-98-21-METHOXY-2-PROPANOL

ACGIH:: A4

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111-76-22-BUTOXYETHANOL

ACGIH:: A3 IARC:3

50-00-0FORMALDEHYDE

ACGIH:: A2 IARC:1 NTP: Known

# **SECTION 12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

## 12.1. Toxicity.

Information not available.

## 12.2. Persistence and degradability.

2-BUTOXYETHANOL

Solubility in water. mg/l 1000 - 10000

Rapidly biodegradable.

1-METHOXY-2-PROPANOL

Solubility in water. mg/l 1000 - 10000

Rapidly biodegradable.

## 12.3. Bioaccumulative potential.

2-BUTOXYETHANOL

Partition coefficient: n- 0.81

octanol/water.

1-METHOXY-2-PROPANOL

Partition coefficient: n- < 1

octanol/water.

12.4. Mobility in soil.

Information not available.

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

In base ai dati disponibili, il prodotto non contiene sostanze PBT o vPvB in percentuale superiore a 0,1%.

## 12.6. Other adverse effects.

Information not available.

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# **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.

Il trasporto dei rifiuti può essere soggetto ai regolamenti di trasporto per le merci pericolose.

CONTAMINATED PACKAGING

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

# **SECTION 14. Transport information.**

# 14.1. UN number.

ADR / RID, IMDG,

3092

IATA:

## 14.2. UN proper shipping name.

ADR / RID: 1-METHOXY-2-

**PROPANOL** 

SOLUTION IMDG: 1-METHOXY-2-

**PROPANOL** SOLUTION

1-METHOXY-2-

IATA: **PROPANOL** 

SOLUTION

# 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, Ш

IATA:

## 14.5. Environmental hazards.

ADR / RID: NO

# 14.6. Special precautions for user.

ADR / RID: HIN - Kemler: 30

Limited Quantities: 5 Tunnel restriction code: (D/E)

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	Special Provision: -					
IMDG:	EMS: F-E, S-D		Limited Quantities: 5			
			L			
IATA:	Cargo:		Maximum quantity: 220	Packaging instructions:		
			L	366		
	Pass.:		Maximum quantity: 60 L	Packaging instructions:		
			quarity: 00 L	355		
	Special Instructions:		-			
14.7. Transport in bulk acc	ording to Annex II of MARPOL73/78 and	d the IBC Code.				
Information not relevant						
Information not relevant.						
SECTION 15. Regu	ulatory information.					
15.1. Safety, health and e	environmental regulations/legislation sp	pecific for the substance or n	nixture.			
U.S. Federal Regulations.						
Clean Air Act Section 112(b)	:					
107-98-2		THOXY-2-PROPANOL (Glyco	I			
50-00-0	ether FOR	s) MALDEHYDE				
Clean Air Act Section 602 Class I Substances:						
S. S						
No component(s) listed.						
Clean Air Act Section 602 Cl	lace II Substances					
Clean All Act Section 602 Cl	idos il Oubstances.					
No component(s) listed.						
Clean Water Act – Priority Pollutants:						
Fliolity Foliutaties.						
No component(s) listed.						
01 10/ 1 1						
Clean Water Act – Toxic Pollutants:						
No component(s) listed.						
DEA Liet I Charriagle (Decourage Charriagle)						
DEA List I Chemicals (Precursor Chemicals):						
No component(s) listed.						
DEA List II Chemicals (Essential Chemicals):						
No component(s) listed.						
ιτο συπροποτιίο) πείσα.						
EPA List of Lists:						

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313 Category Code:

107-98-2 1-METHOXY-2-PROPANOL (Glycol

ethers)

50-00-0 FORMALDEHYDE

EPCRA 302 EHS TPQ:

50-00-0 FORMALDEHYDE

EPCRA 304 EHS RQ:

50-00-0 FORMALDEHYDE

CERCLA RQ:

50-00-0 FORMALDEHYDE

EPCRA 313 TRI:

107-98-2 1-METHOXY-2-PROPANOL (Glycol

ethers)

50-00-0 FORMALDEHYDE

RCRA Code:

50-00-0 FORMALDEHYDE

CAA 112 (r) RMP TQ:

50-00-0 FORMALDEHYDE

State Regulations.

Massachussetts:

111-76-2 2-BUTOXYETHANOL

107-98-2 1-METHOXY-2-PROPANOL (Glycol

ethers)

50-00-0 FORMALDEHYDE

Minnesota:

111-76-2 2-BUTOXYETHANOL

107-98-2 1-METHOXY-2-PROPANOL (Glycol

ethers)

50-00-0 FORMALDEHYDE

New Jersey:

111-76-2 2-BUTOXYETHANOL

107-98-2 1-METHOXY-2-PROPANOL (Glycol

ethers)

50-00-0 FORMALDEHYDE

New York:

50-00-0 FORMALDEHYDE

Pennsylvania:

111-76-2 2-BUTOXYETHANOL

107-98-2 1-METHOXY-2-PROPANOL (Glycol

ethers)

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50-00-0 FORMALDEHYDE

California:

111-76-2 2-BUTOXYETHANOL

107-98-2 1-METHOXY-2-PROPANOL (Glycol

ethers)

FORMALDEHYDE

Proposition 65:

50-00-0

WARNING! This product contains chemicals known to the State of California to cause cancer and birth defects or reproductive harm.

50-00-0 FORMALDEHYDE C

International Regulations.

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

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Candadian WHMIS.

Information not available.

# **SECTION 16. Other information.**

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

Flam. Liq. 3 Flammable liquid, category 3

Eye Irrit. 2 Eye irritation, category 2

Skin Irrit. 2 Skin irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

#### 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

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- 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 6 NYCRR part 597
- Cal/OSHA website
- California Safe Drinking Water and Toxic Enforcement Act
- FPA 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 quarantee 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.