

SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

- Name: ST2100 PMUC BLACK
- Product code: 106X0623

Company/undertaking identification:

- Registered company name: LA-CO Europe SAS
- Address: Parc Industriel de la Plaine de l'Ain - Allée des Combes – 01150 BLYES. France
- Telephone: +33 (0) 4 74 46 23 23. Fax: +33 (0) 4 74 46 23 29
- Email : info@eu.laco.com
- <http://www.intrama.com>

Emergency telephone: +33 (0)1 45 42 59 59.

- Association/Organisation: INRS / ORFILA <http://www.centres-antipoison.net>.

2 - HAZARDS IDENTIFICATION

- This product is classified: Flammable.
- Repeated exposure may cause skin dryness or cracking.
- Vapors may cause drowsiness and dizziness.

Preparation classification:

Flammable

R 10	Flammable.
R 66	Repeated exposure may cause skin dryness or cracking.
R 67	Vapours may cause drowsiness and dizziness.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

- Full text of risk phrases appearing in section 3: see section 16.

Hazardous substances present on their own:

- (present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)
- This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

INDEX	CAS	EC	Name	Symb.	R:	%
607-025-00-1	123-86-4	204-658-1	N-BUTYL ACETATE		10 66 67	25 <= x % < 50

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Substances present at a concentration below the minimum danger threshold:

- No known substance in this category present.

Other substances with occupational exposure limits:

INDEX	CAS	EC	Name	Symb.	R:	%
	1333-86-4	215-609-9	CARBON BLACK			1 ≤ x % < 2.5
	471-34-1	207-439-9	CALCIUM CARBONATE			25 ≤ x % < 50

4 - FIRST AID MEASURES

- As a general rule, in case of doubt or if symptoms persist, always call a doctor.
- NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

- If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

In the event of splashes or contact with eyes:

- Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.
- Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin:

- Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
- DO NOT use solvents or thinners.

In the event of swallowing:

- In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
- If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

5 - FIRE-FIGHTING MEASURES

- Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

Suitable extinguishing media:

- Special foams for polar liquids (known as alcohol resistant), powders, carbon dioxide.
- In the event of fire, use specifically suitable extinguishing agents. Never use water.

Extinguishing media which must not be used for safety reasons:

- Water is not generally recommended since it can be ineffective; however, it can be used successfully to cool containers exposed to the fire and to disperse fumes.
- Sometimes, and due to the presence of organic material, a fire may produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
- Do not breathe in smoke.
- Prevent the effluent of fire-fighting measures from entering drains or waterways.

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Special protective equipment for fire-fighters:

- Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.
- Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

- On account of the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the premises.
- Avoid inhaling dust.
- Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

- Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
- Prevent any material from entering drains or waterways.
- Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).
- If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Methods for cleaning up:

- Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

- The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

- Handle in well-ventilated areas.
- The vapors are denser than air. They can spread along the ground and form explosive mixtures with air
- Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Fire prevention:

- Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment
- Keep packages tightly closed and away from sources of heat, sparks and naked flames.
- Do not use tools which may produce sparks. Do not smoke.
- Prevent access by unauthorised personnel.

Recommended equipment and procedures:

- For personal safety, see §8.
- Observe precautions stated on label and also industrial safety regulations
- Packages which have been opened must be reclosed carefully and stored in an upright position
- Avoid inhaling dust.

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Prohibited equipment and procedures:

- Smoking, eating and drinking are prohibited in premises where the preparation is used
- Never open the packages under pressure

Storage:

- Keep the container tightly closed in a dry place.
- Keep away from all sources of ignition - do not smoke.
- Keep well away from all sources of ignition, heat and direct sunlight
- The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

- Use personal protection equipment as per Directive 89/686/EEC.

Technical measures:

- Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.
- If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

Exposure limit values per INRS ED 984:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
123-86-4	150	710	200	940	-	84
1333-86-4	-	3.5	-	-	-	-

Exposure limit values (2003-2006):

Switzerland	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Temps:	RSB:
123-86-4	480	100	960	200	4x15	-
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
123-86-4	150 ppm	200 ppm	-	-	-	
471-34-1	10 mg/m3	-	-	-	TI	
1333-86-4	3.5 mg/m3	7 mg/m3	-	-	-	
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
123-86-4	150 ppm	200 ppm	-	-	-	
471-34-1	4 mg/m3	-	-	-	R	
471-34-1	10 mg/m3	-	-	-	TI	
1333-86-4	3.5 mg/m3	7 mg/m3	-	-	-	
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
123-86-4	150 ppm	200 ppm	-	-	-	
471-34-1	10 mg/m3	-	-	-	-	
1333-86-4	3.5 mg/m3	-	-	-	-	

Respiratory protection:

- Anti-aerosol filters
- - P2 (white)
- Anti-gas filters :
- - A1,A2,A3 (brown)
- Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

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Hand protection:

- Type of gloves recommended :
- - PVA (polyvinylalcohol)
- Protective creams may be used for exposed skin, but they should not be applied after contact with the product.
- In the event of prolonged or repeated contact with the hands, use appropriate gloves.

Eye and face protection:

- Use eye protectors designed to protect against liquid splashes

Skin protection:

- For further information, see § 11 of S.D.S. - Toxicological information.

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state:

Important health, safety and environmental information:

pH of the substance or preparation:	neutral.
When a pH measure is possible, it has a value of:	not stated.
Flash point interval:	23°C <= Flash point <= 55°C
Vapour pressure:	Below 110 kPa (1.10 bar).
Density:	< 1
Water solubility:	Insoluble.

10 - STABILITY AND REACTIVITY

- When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide

11 - TOXICOLOGICAL INFORMATION

- No data is available regarding the preparation itself.
- Exposure to vapors from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as:
- Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.
- Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.
- Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.
- Splashes in the eyes may cause irritation and reversible damage

Other data:

- CAS 1333-86-4 : IARC Group 2B: The agent is possibly carcinogenic to humans.

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12 - ECOLOGICAL INFORMATION

- No ecological data on the product itself is available.
- The product must not be allowed to run into drains or waterways.

Other adverse effects:

- Germany: WGK 1 (VwVwS vom 27/07/2005, KBws)

13 - DISPOSAL CONSIDERATIONS

- Do not pour into drains or waterways.

Waste:

- Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
- Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

- Empty container completely. Keep label(s) on container.
- Give to a certified disposal contractor.

14 - TRANSPORT INFORMATION

- Exempt from transport classification and labelling.
- Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2009 - IMDG 2008 - ICAO/IATA 2009).

15 - REGULATORY INFORMATION

Classification by:

- So called 'all preparations' Directive 1999/45/EC and its adaptations.
- EC regulation 1272/2008 (CLP) and its adaptations (EC regulation 790/2009).

Preparation classification:

Flammable

Particular hazards associated with the preparation and safety recommendations:

R 10	Flammable.
R 66	Repeated exposure may cause skin dryness or cracking.
R 67	Vapours may cause drowsiness and dizziness.

Particular provisions:

- Germany: WGK 1 (VwVwS vom 27/07/2005, KBws)

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16 - OTHER INFORMATION

- Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
- The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.
- It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
- The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 3:

R 10	Flammable.
R 66	Repeated exposure may cause skin dryness or cracking.
R 67	Vapours may cause drowsiness and dizziness.