



## CB N3

## Safety Data Sheet

Safety Data Sheet dated 30/03/2021, version 3

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

**Trade name:** CB N3

Trade code: CB N3

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

Recommended use: Lubricant

1.3. Details of the supplier of the safety data sheet

Company:

LMI S.R.L.

VIA CANTARANA, 2

43058 SORBOLO MEZZANI (PR) – TEL. 0521 318031 FAX 0521.318049

LMI srl tel. +390521318031 (office hours: 8,30 - 13 / 14 - 17,30)

Competent person responsible for the safety data sheet:

qas@lmi-srl.it – carmeni@lmi-srl.it

1.4. Emergency telephone number

City Hospital, Birmingham B187QH, United Kingdom – Phone +44 121 507 4123

### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

Restricted to professional users.

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

### SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:



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None.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Injuries due to high pressure jets require a prompt surgical intervention and possibly a steroids therapy, to minimize tissue damage and loss of functions.

Every substance, in case of accidents with high pressure pipes or similar, can be accidentally injected under skin tissue, even without external noticeable skin damage. In this case it's necessary to bring the injured as soon as possible to the hospital for required treatment.

Remove contaminated clothes.

Wash with plenty of water and soap.

In case of eyes contact:

Wash eyes immediately with plenty of water for some minute leaving eyelids open. Immediately call a doctor if pain and redness persists.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

In case of exposition to high concentration of vapours and mist remove person from the contaminated area and move to a well ventilated place. Call for medical attention if necessary.

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:

Use class B fire extinguishing media: carbon dioxide, dry chemical powder, foam, sand, earth.

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

Avoid usage of water jets. Use water only to cool the surface of the container exposed to fire.

None in particular.

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

Avoid breathing the fumes of combustion as a result of fire can form compounds:

nitrogen (NO<sub>x</sub>)

carbon (CO<sub>x</sub>)

phosphorus (PO<sub>x</sub>)

unburned hydrocarbons

sulfur (SO<sub>x</sub>)

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

#### 5.3. Advice for firefighters

Note: Cool with water all the containers not involved in fire but exposed to heat of fire, to avoid eventual explosion and propagation of fire.

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.



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Move undamaged containers from immediate hazard area if it can be done safely.  
Full protective suit equipped with respiratory equipment.

### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures  
Avoid contact with skin and eyes, using appropriate protective equipments.  
In case of spillage of relevant quantities, most of all if in confined environment, avoid to breathe vapours and ventilate the environment, or use protective equipment for respiration.  
Wear personal protection equipment.  
Remove persons to safety.  
See protective measures under point 7 and 8.
- 6.2. Environmental precautions  
Avoid dispersion of the product and penetration in the soil, in the sewers or in surface water. If necessary inform competent local authorities.  
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Retain contaminated washing water and dispose it.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up  
Stem in case of spillage of relevant quantities of product. Contains the spill of little quantities of product with earth, sand or other inert absorbing material. Transfer in appropriate impermeable containers, adequate for storage and transport of recovered material. Dispose according to current regulation.  
Wash with plenty of water.
- 6.4. Reference to other sections  
See also section 8 and 13

### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling  
Avoid direct contact with the product.  
Avoid to breathe aerosol or vapours of the product, ensuring an adequate ventilation of workplace, most of all if confined.  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
See also section 8 for recommended protective equipment.  
Advice on general occupational hygiene:  
Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities  
Maintain the product in original containers, stored in an environment and conditions such as is possible to ensure control and containment of leakage. Store in a cool place, away from any heat source or possible ignition and from exposure to sun light. Avoid accumulating electrostatic charge. Containers must be maintained closed.  
Ensure adequate ventilation of the room.  
Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Adequately ventilated premises.
- 7.3. Specific end use(s)  
Lubricant for Hydraulic system

### SECTION 8: Exposure controls/personal protection



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### 8.1. Control parameters

No specific requirements in normal conditions of use.

No occupational exposure limit available

### DNEL Exposure Limit Values

N.A.

### PNEC Exposure Limit Values

N.A.

### 8.2. Exposure controls

#### Eye protection:

For more information refer to UNI-EN 166 standard.

Not needed for normal use. Anyway, operate according good working practices.

#### Protection for skin:

Use full suit and apron in suitable material; change immediately contaminated clothes and wash carefully before reuse.

It's advisable to maintain good personal and work clothes hygiene.

For more information refer to UNI-EN 465/466/467 standard.

No special precaution must be adopted for normal use.

#### Protection for hands:

Wear work gloves (for example in neoprene, nitrile or PVC with permeation time > 240 min and thickness > 0.7 mm), preferably with inner cover, resistant to mineral oils or solvents. Gloves must be changed when signs of wear are visible. Wear gloves after an adequate cleaning of the hands.

In case of not prolonged contacts, use of barrier creams may be an useful protection equipment.

Choice of protective gloves depends also on use conditions and needs to consider the information from the supplier.

For more information refer to UNI-EN 374 standard.

Not needed for normal use.

#### Respiratory protection:

Whenever operational conditions and other equipment to limit workers exposure will be not adequate to respect exposure limits as specified in section 8, other protective equipments for respiratory ways are needed: mask with filter for organic vapours and for dusts/mists (e.g. active carbon mask)

Not needed for normal use.

#### Thermal Hazards:

None

#### Environmental exposure controls:

None

#### Appropriate engineering controls:

None

## SECTION 9: Physical and chemical properties

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

Properties	Value	Method:	Notes:
Appearance and colour:	clear liquid brown	--	--
Odour:	random	--	--
Odour threshold:	Not tested	--	--
pH:	Not tested	--	--
Melting point / freezing point:	Not tested	--	--
Boiling range:	207-750°C	--	--
Flash point:	236 ° C	--	--
Evaporation rate:	Not tested	--	--



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Solid/gas flammability:	Not tested	--	--
Upper/lower flammability or explosive limits:	Not tested	--	--
Vapour pressure:	Not tested	--	--
Vapour density:	Not tested	--	--
Relative density:	0.857 Kg/l	--	--
Solubility in water:	insoluble	--	--
Solubility in oil:	Not tested	--	--
Partition coefficient (n-octanol/water):	Not tested	--	--
Auto-ignition temperature:	Not tested	--	--
Decomposition temperature:	Not tested	--	--
Viscosity:	a40°C 30.4 cst	--	--
Explosive properties:	Not tested	--	--
Oxidizing properties:	Not tested	--	--

### 9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not tested	--	--
Fat Solubility:	Not tested	--	--
Conductivity:	Not tested	--	--
Substance Groups relevant properties	Not tested	--	--
C24-50, solvent-extracted, decessed, hydrogenated	100%	--	--
Mineral oil	95-98%	--	--
Pour point depressant	0.2-0.8%	--	--
Performance additive package	0.7-1.3%	--	--
% VOC (art. 275 D.Lgs 152/06 - TUA):	0 %	--	--

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Avoid contact with strong acids and bases and strong oxidizers.

Stable under normal conditions

### 10.2. Chemical stability

Product is stable to room temperature.

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

None.

## SECTION 11: Toxicological information



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### 11.1. Information on toxicological effects

Toxicological information of the product:

May cause moderate irritation.

General warning: high pressure injection of product in the skin can cause local necrosis if the product is not surgically removed.

Frequent and prolonged contacts can degrease and irritate the skin also causing dermatitis.

Prolonged exposure to the product may cause drowsiness or dizziness.

Prolonged exposure to vapours or mist may cause respiratory irritation.

N.A.

Toxicological information of the main substances found in the product:

N.A.

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

N.A.

### 12.2. Persistence and degradability

Even if the product is not dangerous for the environment, the product is not readily biodegradable.

### 12.3. Bioaccumulative potential

N.A.

### 12.4. Mobility in soil

N.A.

### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

### 12.6. Other adverse effects

None

N.A.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose product (and emulsions in case of water-soluble lubrorefrigerants products) and containers sending it to approved companies, paying attention to obligations of DPR n.691 of 23/08/82 (Mandatory consortium for used oils) and Part IV of the Environmental code (D.Lgs. n. 152 of 3/4/2006) and updates

Don't discharge in sewers, tunnels or water courses. Follow current legal obligations.

Recover if possible. In so doing, comply with the local and national regulations currently in force.

Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.



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### SECTION 14: Transport information

- 14.1. UN number  
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name  
N.A.
- 14.3. Transport hazard class(es)  
N.A.
- 14.4. Packing group  
N.A.
- 14.5. Environmental hazards  
N.A.
- 14.6. Special precautions for user  
N.A.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
No

### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Dir. 98/24/EC (Risks related to chemical agents at work)
  - Dir. 2000/39/EC (Occupational exposure limit values)
  - Regulation (EC) n. 1907/2006 (REACH)
  - Regulation (EC) n. 1272/2008 (CLP)
  - Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
  - Regulation (EU) 2015/830
  - Regulation (EU) n. 286/2011 (ATP 2 CLP)
  - Regulation (EU) n. 618/2012 (ATP 3 CLP)
  - Regulation (EU) n. 487/2013 (ATP 4 CLP)
  - Regulation (EU) n. 944/2013 (ATP 5 CLP)
  - Regulation (EU) n. 605/2014 (ATP 6 CLP)
  - Regulation (EU) n. 2015/1221 (ATP 7 CLP)
  - Regulation (EU) n. 2016/918 (ATP 8 CLP)
  - Regulation (EU) n. 2016/1179 (ATP 9 CLP)
  - Regulation (EU) n. 2017/776 (ATP 10 CLP)
  - Regulation (EU) n. 2018/669 (ATP 11 CLP)
- Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
- Restrictions related to the product:  
No restriction.
  - Restrictions related to the substances contained:  
Restriction 28
- Where applicable, refer to the following regulatory provisions :
- Directive 2012/18/EU (Seveso III)
  - Regulation (EC) nr 648/2004 (detergents).
  - Dir. 2004/42/EC (VOC directive)
- Provisions related to directive EU 2012/18 (Seveso III):
- Seveso III category according to Annex 1, part 1  
None
- 15.2. Chemical safety assessment
- No Chemical Safety Assessment has been carried out for the mixture.



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### SECTION 16: Other information

Don't use this product for uses different from those identified. In this case user may be subject to risk not evaluated.

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking  
SECTION 2: Hazards identification  
SECTION 4: First aid measures  
SECTION 7: Handling and storage  
SECTION 8: Exposure controls/personal protection  
SECTION 9: Physical and chemical properties  
SECTION 11: Toxicological information  
SECTION 12: Ecological information  
SECTION 14: Transport information  
SECTION 15: Regulatory information  
SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

The user is required to ensure the suitability and completeness of this information in relation to the specific use that he must make.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.





QUALITY MANAGEMENT SYSTEM  
UNI EN ISO 9001:2015  
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## **CB N3**

TWA: Time-weighted average  
WGK: German Water Hazard Class.

## ***Safety Data Sheet***