

MATERIAL SAFETY DATA SHEET

Nr. Review: 02	Emission/Review date: 17/03/2020	Last review date: 08/05/2019	Code: FISPQ-SGQ-32
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1 – IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

1.1 Product Identifier

Trade Name: V-Lub

1.2 Application of the product

It is a paint lubricant specially developed for use together with V-BAR VONIXX or decontaminating bars in general

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: EVC Industrial LTDA

Elaboration: Paulo Henrique Sampaio Nobre

CRQ (Regional Chemistry Council): 10400261- 10th region

Address: Rua Luiz Francisco Xavier, 520, Paupina - Cep-60872-508

Company's telephone number: (085) 3274-2896

Emergency telephone number: 0800.014.1149

2 – HAZARDS IDENTIFICATION

2.1 Product Hazards:

Main Hazards: There is no danger if used according to the instructions on the label. The product is not flammable.

Adverse human health hazards: There are no reports of any health problem, but it may cause some type of allergic reaction in allergic people. Prolonged contact with the skin and eyes may cause irritation.

Environmental hazards: There are no records of ecological damage

Specific hazards: The product is not classified as a dangerous product.

Chemical Hazard: NA

2.2 Classification of Substance or Mixture

Acute Toxicity Classification: Category 5

2.3 Signal Words

Warning!

2.4 Hazard Pictogram

Not required

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2.5 Hazard statements

H303 - May be harmful if swallowed

H320 - Causes eye irritation

2.6 Precautionary statements

P312 - Call a Poison Center/Doctor if you feel unwell

3 - COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture

Chemical Nature: Automotive detergent

Ingredients or impurities that may contribute to the hazard: NA

4 - First-aid measures

4.1 After skin contact: Immediately wash the affected area with soap and running water for at least 15 minutes. Remove contaminated clothing. In case of effects/symptoms, consult a doctor. Wash contaminated clothing before reuse.

4.2 After eye contact: Remove contact lenses if there are. Wash with running water. If irritation persists, consult a doctor, taking the product packaging or label. Do not induce vomiting and immediately consult the Poison Center or the doctor taking the product label.

4.3 Recommendations for the Doctor: Evaluate the composition described on the label.

5 – FIREFIGHTING MEASURES

5.1 Suitable extinguishing media: Non-flammable product. If a fire starts with other materials, use fire-extinguishing CO2, chemical powder and water extinguishing agent.

5.2 For safety reasons, unsuitable extinguishing agents: Do not use water extinguishing agent, when there are energized sources on site.

5.3 Special firefighting methods: The product does not present a risk for special fire methods. Non-flammable product.

5.4 Special equipment for the protection of firefighters: Due to the characteristics of the product, it is not necessary to use special equipment other than those commonly used.

6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Remove unnecessary people from the area. Use PPE. If possible, stop the spill or leak source.

6.2 Environmental precautions: Avoid contamination of watercourses by preventing the entrance of rainwater galleries (wolf mouth). Prevent spilled product residues from reaching

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water collections by absorbing the product with absorbent material (e.g., sawdust, sand or clay). Contact your local security authorities.

6.3 Methods and material for containment and cleaning up: Contain and collect spill. Place the waste in a container for disposal according to local regulations. Clean preferably with water, avoiding the use of solvents. For large spills, contain the liquid in dikes and pump it into suitable containers.

7 - HANDLING AND STORAGE

7.1 Fire and explosion prevention: Do not store with incompatible materials.

7.2 Prevention of worker exposure: Wear PPE (boots, gloves, apron and protection goggles) when handling the product. Do not eat, drink or smoke when handling the product. When opening the packaging, do so in order to avoid leakage. Do not use damaged or defective personal protective and application equipment. Do not handle and/or load damaged packaging.

7.3 Precautions for safe handling: Use PPE as described in Item 8. Do not mix with chemical products, mainly with chlorine (e.g., bleach) and ammonia-based products.

7.4 Guidelines for safe handling: Use PPE as described in Item 8. Handle the product with the appropriate local exhaust or in a well-ventilated area; if in open environments, handle it with the wind. Apply only the doses recommended by the product registrant (see label).

7.5 Storage

Adequate storage conditions: Keep the product and, if necessary, leftovers in their original used packaging closed.

7.6 Storage conditions

Adequate: Keep the container closed adequately at room temperature and protected from light. Store it in a duly identified location. Lock the place to prevent unauthorized people from accessing screens.

To avoid: Humid places with high temperatures.

Incompatible products and materials: Oxidizing agents. Do not store together with food, drinks, including those intended for animals.

7.7 Safe packaging materials

Recommended: Product already packed in appropriate packaging.

8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Engineering control measures: Use fans, air circulators, exhaust fans; provide adequate ventilation to the workplace.

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8.2 Occupational Exposure Limits: NA

8.3 Physical and chemical properties:

Hand protection: Gloves in the handling process to avoid direct and prolonged contact with the product.

Eye protection: In operations where projections or splashes may occur, the use of safety goggles is recommended.

Hygiene measures: General control methods used in industrial hygiene should minimize exposure to the product. Do not eat, drink or smoke when handling chemicals. Separate work clothes from ordinary clothes.

Respiratory protection: In the process of spraying the product, it is recommended to use a respiratory protector.

9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Aspect: Viscous liquid

9.2 Color: Purple

9.3 Odor: Characteristic

9.4 pH: 7.0 to 7.5

9.5 Anionic Active Matter: 25 to 35%

9.6 Viscosity 25 ° C: 4,000 to 10,000 cPs

9.7 Density: 1.02 to 1.04 g/cm³

10 - STABILITY AND REACTIVITY

10.1 Chemical stability

The product is stable at room temperature, under normal conditions of use and storage.

10.2 Conditions to avoid

Temperatures above 50 °C, exposure to direct sunlight.

10.3 Hazardous decomposition products:

Fire can release toxic gases and vapors that are harmful to human health.

10.4 Reactivity

None

10.5 Possibility of hazardous reactions

None

10.6 Incompatible materials or substances

None

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11 - TOXICOLOGICAL INFORMATION

11.1 Local effects: The product may cause local irritation, depending on the form of contact and other symptoms, as described in Item 2. The toxicological information values set out below may not reflect the toxicity value of the product because the ingredients may be below concentration, may not be available for exposure or may not be relevant to the material as a whole.

11.2 Acute toxicity: Based on the available information, this product does not have a classification for this criterion.

11.3 Skin corrosion/irritation: Based on the available information, this product does not have a classification for this criterion.

11.4 Serious eye damage/irritation: Based on the available information, this product does not have a classification for this criterion.

11.5 Skin sensitization: Based on the available information, this product does not have a classification for this criterion.

11.6 Mutagenicity: Based on the available information, this product does not have a classification for this criterion.

11.7 Carcinogenicity: Based on the available information, this product does not have a classification for this criterion.

11.8 Chronic Toxicity: Based on the available information, this product does not have a classification for this criterion.

12 – ECOLOGICAL INFORMATION

12.1 Environmental, behavioral effects and product impacts

Mobility: ND

Environmental behavior: Effects are not expected in consequence of proper use of the product. However, its improper use and contact with soil or aquatic environment can cause imbalance and damage.

Degradability: ND

Bioaccumulation: ND

Ecotoxicity: ND

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13 – TREATMENT AND DISPOSAL CONSIDERATION

13.1 Waste treatment methods:

Product: Deactivate the product through incineration in ovens intended for this type of operation, equipped with chambers for washing effluent gases and approved by the competent body.

Product remnants: Do not dispose of product leftovers improperly after use. Depending on the available quantity, store appropriately for a new application. Keep any leftovers with expired validity in their original containers adequately closed.

Used package: Empty packaging must be stored in a safe place for later return to the commercial establishment where it was acquired within one year. Do not burn or bury packaging. Observe specific State and Municipal Legislation. Consult the State or Municipal Environment Agency.

14 - TRANSPORT INFORMATION

National and international land/waterway/air regulations: Non-hazardous product according to transport regulation criteria.

15 – REGULATORY INFORMATION

15.1 National regulations: SANITATING PRODUCT NOTIFIED AT ANVISA, No. 25351.658881/2018-31, according to current legislation.

15.2 International regulations: Contact EVC Industrial for further information

16 - OTHER INFORMATION

The information and recommendations contained in this MSDS were obtained from reputable sources and based on previous experiences, refer to this specific product and are valid when used according to the label's guidelines. This document was approved electronically.

ABBREVIATIONS AND ACRONYMS

NA: Not applicable

ND: Not Determined

OSHA: Occupational Safety and Health Administration.

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

CAS: Chemical Abstracts Service.

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TLV-TWA: Threshold Limit Value – Time-Weighted Average

TLV-STEL: Threshold Limit Value – Short-term exposure

ACGIH: American Conference of Governmental Industrial Hygienists is an organization open to all practitioners in industrial hygiene, occupational health, environmental health, or safety.

PEL: Permissible Exposure Limit

OSHA: Occupational Safety and Health Administration.

GGVE/GGVS: Gefahrgutverordnung Eisenbahn Bzw Strasse – decree on the transport of hazardous materials by land (railroad and highway).

GGV-See: Gefahrgutverdnungg-See – decree on the transport of hazardous materials by sea.

IMDG: International Maritime Dangerous Goods – international code for the transport of hazardous materials by sea.

CAO: Cargo Aircraft Only – cargo authorized for transportation by cargo plane.

PAX: Passenger Aircraft – amount allowed for transportation on a commercial airplane.

AEL: is the acceptable exposure limit. In places where the occupational exposure limits imposed by government agencies are lower than the AEL, these limits should be preferred.