

Product name: MIXLUB ADI VCI
Description: CORROSION INHIBITOR
Application(use): Corrosion Inhibitor for Integral Lubricants generally.
Company: SPECIALMIX INDUSTRIAL LTDA.
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SECTION 2 - HAZARDOUS IDENTIFICATION

CLASSIFICATION GHS: NOT DANGEROUS

SPECIAL REQUIREMENTS FOR LABELING:NIHIL

Risk Statements: PRODUCT NO DANGEROUS

Precautionary statements: P332 + P313: If skin irritation consult a doctor.
P305 + P351 + P338: IN CASE OF EYE CONTACT: Rinse thoroughly with water for several minutes

Storage: P403 + P235: Store in a dry and covered place.

Further risk information:

Main symptoms and effects: None known. Not expected under normal conditions of use.

Product Effects:

Health: The product in the form of liquid, vapor or mist is irritating to the eyes, skin and respiratory system.

Environment: slightly alkaline Product highly soluble in water. Can stay for long time in places with low rainfall (low rainfall).

Physical / Chemical Hazards: Product reacts slightly alkaline to acidic materials.

Chemical Product Classification: Class 10 - Irritating.

RISK OF IDENTITY ISSUED BY NFPA:

Health: 0

Flammability: 0

Reactivity 0

SECTION 3 - COMPOSITION AND INFORMATION ON INGREDIENTS

Natureza química: Este produto é um preparado à base de glicóis, ésteres graxos e aditivos.

Produtos que representem perigo: Nenhum

Número CAS: Não aplicável.

Referência do Sistema de Classificação: Proposta Diretiva do Parlamento Europeu e do Conselho relativa a Classificação, Embalagem, Rotulagem de Substâncias Perigosas (CCE – Conselho da Comunidade Européia, 1993).

SECTION 4 - FIRST AID MEASURES

Inhalation: Not applicable because it is a liquid product with a low odor and low volatility.

Skin contact: Allergic reactions not expected.

Eye contact: Immediately flush eyes with water or saline for about 20 minutes, keeping eyelids open. Provide medical attention if irritation persists.

Ingestion: Do not induce vomiting. Provide water in amount to the victim. Provide medical aid. Never give anything by mouth if the victim is unconscious.

Main symptoms and effects: Possible irritation of skin and mucous membranes.

Actions to Avoid: Do not neutralize the product in the affected area, just rinse with plenty of water.

Protection for first aid providers: Nothing in particular.

Note to Physician: slightly alkaline product containing monoethanolamine.

SECTION 5 – FIRE PREVENTION MEASURES

Extinguishing Media: Not applicable. Product non-flammable and non-combustible.

Extinguishing media contraindicated: Not flammable. Noncombustible. In case of fire, do not apply water jet directly over the flame.

Specific risks: Fire will produce smoke containing toxic combustion products such as carbon dioxide (CO₂), carbon monoxide (CO) and nitrogen oxides.

Methods of Fire Fighting: Cool with fog Moorhen the containers exposed to fire.

SECTION 6 - MEASURES ACCIDENTAL RELEASE, LEAKAGE

Personal precautions:

Removal of ignition sources: Not applicable because it is a non-flammable product.

Dust control: Not applicable because it is a liquid product.

Prevention of inhalation, contact with skin and eyes: Avoid contact with eyes. Wear safety glasses.

Precautions for the environment: In case of a leak, isolate the area of the crash site. Contain liquid with absorbent material such as vermiculite or sand, preventing discharges into streams, sewers, drains or watercourses.

Methods for Removal and cleaning: Absorb with an inert material or pumping appropriate location. Neutralize the remaining residue and then do the washing with water.

Recovery: Recover by pumping. It can be filtered and reused.

Neutralization: The residue can be neutralized with any type of dilute acid (hydrochloric acid, sulfuric acid or acetic acid).

SECTION7-HANDLING AND STORAGE

MEASURES SUITABLE FOR HANDLING:

Prevention of Occupational Exposure: Avoid contact with eyes and mucous membranes. In normal working conditions, product presents no risk.

Fire and explosion prevention: Not applicable because it is not flammable.

Precautions for Safe Handling Chemical Product: Never use compressed air to empty the containers.

Guidelines for Safe Handling: Avoid release to the sewage network. Avoid contact with energetic oxidants.

MEASURES SUITABLE FOR STORAGE

Storage conditions: Keep container tightly closed and upright to avoid leakage.

Suitable: Store at room temperature on the package itself and in a covered place.

Inappropriate: Avoid storing open containers. Avoid storing in humid and uncovered

Incompatible products and materials: oxidizing agents, alkaline materials and acids.

Insurance Packaging materials: Steel, aluminum and plastic. Recommended ,Original

SECTION8 - EXPOSURE CONTROL AND PERSONAL PROTECTION

Engineering Control Measures: For normal use no ventilation is not required. Where there is a possibility of generation of mists or "spray", use ventilation / exhaust system.

Specific Control Parameters:

Occupational exposure limits: TWA: 2 mg / m³

Biological indicators has low toxicity to aquatic organisms.

Adopted References: ACGIH (Threshold Limit the "American Conference of Governmental Industrial Hygienists - USA). - 2003. Manual of Dangerous Chemicals - Cetesb.

Personal Protective Equipment Suitable:

Respiratory Protection: Not required under normal working conditions, the product presents no risk.

Hand protection: Wear gloves.

Eye Protection: Use chemically resistant safety glasses, such as polycarbonate. Keep washer Eyes available at the locations where the product is handled.

Protection for skin and body: Wear protective clothing to minimize contact with skin.

Hygienic measures: Normal.

SECTION 9 -PHYSICAL-CHEMICAL PROPERTIES

GENERAL INFORMATION

Physical State: Liquid

Form: Fluid

Smell: Characteristic

Yellow color

pH (1% Solution) NA

Specific temperatures or temperature ranges in which they occur physical state changes:

Boiling Point:> 100 ° C

Flash Point: NA

Auto-Ignition Temperature: NA

Explosive Limits: NA

Solubility: Total alcohol.

Density (Volumetric Flask): 1.090 to 1.110 g / cm³

SECTION10 - STABILITY AND REACTIVITY

Specific conditions that can cause product instability: At high temperatures (above 70 ° C) the product may exert increased pressure in the closed package.

Hazardous reactions: The product contact energetic oxidants responds by releasing large amounts of heat.

Conditions to Avoid: Avoid exposure to heat sources and direct sunlight.

Incompatible materials or substances: Strong oxidizing agents. Strongly alkaline and acidic materials.

The need for addition of additives and inhibitors: There is no need to add additives and inhibitors to reduce or eliminate the possibility of a dangerous reaction.

Hazardous products of decomposition: When burning releases monoxide (CO) and carbon dioxide (CO₂) and nitrogen oxides

Decomposition: When burning releases monoxide (CO) and carbon dioxide (CO₂) and nitrogen oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION**Acute toxicity:**

Inhalation: Nothing in particular because it is a liquid product with a low odor and low volatility.

Skin Contact: May cause mild skin irritation in sensitive people to the components of the formula.

Eye Contact: Causes eye irritation.

Ingestion: May cause abdominal discomfort, nausea, vomiting and diarrhea.

Local effects:

Inhalation: Nothing in particular because it is not a particularly volatile product and not considered dangerous.

Skin Contact: In sensitive people prolonged contact may cause skin sensibility.

Eye Contact: Produces irritation.

Ingestion: Produces irritation of mucous membranes.

SECTION 12-ENVIRONMENTAL INFORMATION**Environmental effects, behavior and impact of the product**

Mobility: Soluble in alcohol.

Ecotoxicity: It has low toxicity to aquatic organisms.

Persistence / degradability: Biodegradable product.

SECTION 13 - CONSIDERATIONS FINAL PROVISION

Product: Recover and reuse the product before opting for disposal, which should be the ultimate goal of handling. Not available in the soil, in the public sewer or with household waste. Check on your state, the applicable laws on disposal and municipal consult local regulations may exist and suit.

Product remains: In the event of a change of physicochemical properties of product remains the Specialmix has under its control handling practices or production processes of the users and the information presented here pertains only to the product supplied under the conditions described in Section 2 MSDS and Section 9.

ABETRE - Brazilian Association of Waste Disposal Companies - <http://www.abetre.com.br>.

Union of Waste Stock Exchange of Professionals of the São Paulo State Chemistry -

<http://www.bolsaderesiduos.org.br>.

Product packaging: Empty containers contaminated with the product shall not be reused and is suitable for recycling. National Land Transportation Agency - <http://www.antt.gov.br>

Local regulations for treatment and disposal: Check in your state, applicable laws on disposal consult municipal and local regulations may exist and adjust as needed.

SECTION 14-TRANSPORT INFORMATION

Product not classified as hazardous, it does not apply the requirements of Decree No. 96.044, of 18/05/1988 - Regulations for Road Transport of Dangerous Goods and Resolution No. 420 of 12/02/2004 of the National Land Transportation Agency - Ministry of transport.

UN number:	Road freight: Mercosul:	AIR FREIGHT ICAO IATA:
NA	NA	NA

SECTION 15-REGULATORY INFORMATION

MSDS/ FISPQ: Informations are in accordance of Brazilian regulations

NBR 14725/2014 GHS.

TRANSPORTATION: Decreto nº 96.044 de 18 de maio de 1988. Resolução nº 420, de 12 de fevereiro de 2004.

labeling: PRODUCT NOR DANGEROUS. LABELING IN ACCORDANCE CCE 1993

16. OTHERS INFORMATIONS**REFERENCE SOURCES MSDS / FISPQ**

Manual Básico de Rotulagem de Produtos Químicos (AssociQuim/SincoQuim) – Agosto/1998

Manual de Autoproteção para Manuseio e Transporte Rodoviário de Produtos Perigosos (PP6) – 6ª Edição Ano 2003.

NBR 14725/2014 – ABNT – Ficha de Informação de Segurança de Produtos Químicos – FISPQ.

ACGIH – American Conference of Governmental Industrial Hygienists – 2003.