

PRODUCT NAME: ABRO Plastic Revitalizer 200 ml
PRODUCTNUMBER/SIZE: PR-200

Revision Date: 1/18/2019

SECTION 1 Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.
ADDRESS: 3580 Blackthorn Court
South Bend, IN 46628
USA
PRODUCT DESCRIPTION: ABRO Plastic Revitalizer 200 ml
COMPANY PHONE: 574-232-8289
EMERGENCY 24-HR TELEPHONE: Chemtrec: US/Canada 1-800-424-9300
International +1-703-527-3887

SECTION 2 Hazards Identification

Product Rating: Serious eyes injuries / eyes irritation - Category 2A

Label Pictogram(s):



Signal Word: CAUTION!

Hazard Phrases: H319: It causes serious eye irritation

Precautionary Phrases:

General

P103 Read the label before using the product.

Prevention:

P210 Keep away from heat / sparks / open flame / hot surfaces. - Do not smoke

P233 Keep container tightly closed.

P240 Ground container and product receiver during shipment.

P241 Use electrical / ventilating / lighting / explosion-proof equipment.

P242 Only use anti-sparking tools.

P243 Avoid the accumulation of electrostatic charges.

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

Response: P370 + P378: In case of fire: for extinction use (see item 5).

P303 + P361 + P353 IF ON SKIN (or with hair): Remove all contaminated clothing immediately. Rinse skin with water / shower.

Storage / Disposal:

P403 Store in a well-ventilated place.
P501: Dispose of contents / container according to local regulations (see item 13)

Other:

There is no other danger.

**SECTION 3
Composition/Information on Ingredients**

| | | |
|---|---------------------------|--------------------------|
| Chemical product | This product is a mixture | |
| Common chemical name or generic name | CAS NUMBER | Concentration (%) |
| Silicone Fluid | 63148-62-9 | Industrial Secret |
| Carboxyvinyl Polymer | 9003-01-4 | Industrial Secret |
| Triethanolamine | 102-71-6 | Industrial Secret |
| White Mineral Oil | 8012-95-1 | Industrial Secret |
| Distilled Bi Glycerin | 56-81-5 | Industrial Secret |
| Essence | Industrial Secret | Industrial Secret |
| Water | 7732-18-5 | Industrial Secret |

**SECTION 4
First Aid Measures**

First Aid Measures

| | |
|-------------------|--|
| Eyes | Wash the affected part thoroughly with running water for at least 15 minutes. If irritation persists seek medical attention immediately. |
| Skin | Wash hands with soap and water after use. |
| Ingestion | Do not induce vomiting. Drink plenty of water and seek medical advice. |
| Inhalation | Does not cause damage to health if inhaled. |

Most important symptoms, effect, acute or delayed:

Main risks are linked to ingestion. If swallowed may cause nausea and vomiting. May be fatal if swallowed and enters the respiratory tract. Causes skin irritation. May cause drowsiness or dizziness.

Note to doctor:

Symptomatic treatment.

SECTION 5 Fire Fighting Measures

Suitable extinguishing media

Use extinguishing media for surrounding fire. Do not spray directly on the burning product as it may spread and increase the intensity of the fire.

Specific hazards:

Fire may produce toxic and irritant gases in addition to Carbon Monoxide and Carbon Dioxide.

Protective measure f the fire-fighting team:

Firefighters: Use self-contained breathing apparatus and appropriate fire-fighting clothing. Do not enter confined areas without proper protective equipment (PPE); this shall include autonomous masks for protection against the hazardous effects of combustion products or lack of oxygen.

Isolate the hazardous area and prohibit people from entering. In case of fire use water spray to cool containers exposed to fire. Keep safe distance from the flames to avoid radiation burns. Use extinguishing processes that preserve the environment.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.

For non-emergency personnel:

Isolate the area within a radius of 50 meters, at least, in all directions and keep the curious away. Wear clothing, gloves and eye protection. Do not touch, stand or walk on spilled product. Stay away from low areas and in a position that keeps the wind behind your back.

For emergency service personnel:

Wear chemical resistant, impermeable protective clothing. Provide for the grounding of all equipment that will be used in handling the spilled product. Eliminate all possible sources of ignition, such as open flames, hot elements without insulation, electric or mechanical sparks, cigarettes, electrical circuits, etc. Prevent the use of any action or procedure that causes the generation of sparks or flames.

Environmental Precautions:

Isolate the accident area. Prevent spillage from spreading, preventing contamination of rivers and springs. Rinse spill if possible, avoiding contact with skin and clothing. Never dispose of spilled material into sewers. Leaks should be reported to the manufacturer and / or the environmental agencies.

Methods and materials for containment and cleaning:

Use dykes or natural barriers to hold product leakage; Sweep up with an inert absorbing material (sand, diatomite, vermiculite). In case it is possible, stanch leakage using bungs, sealing strap or inverting up the hole, tear or crease. Collect all the material in suitable containers properly labeled for future treatment and disposal. Residues must be disposed in accordance with local, state or federal environmental regulations. For transshipment, check appropriate place and accomplish the safety procedures described above.

SECTION 7 Handling and Storage

Precautions for Safe Handling:

Do not smoke in the workplace. Use personal protective equipment. Ensure adequate ventilation at the workplace.

In areas where chemical products are handled, the monitoring of workers' exposure must be carried out, according to NPR-9 Environmental Protection Program (PPRA).

Handle in accordance with good industrial hygiene and safety practice. Storage and use facilities should be equipped with eye wash facilities and a safety shower. Clothing and PPE's should always be cleaned and checked before use. Always use soap, water and cleansing creams for personal hygiene. Good operating and industrial hygiene procedures help reduce the risk of handling chemicals.

Conditions for Safe Storage:

Store in a covered, dry and ventilated area. Protect packaging from physical damage. Use and store with adequate ventilation.

Incompatible materials: Oxidizing Agents.

Keep container tightly closed when not in use. These containers should not be reused for other purposes and should be disposed of in suitable places.

SECTION 8 Exposure Controls/Personal Protection

Control Parameters

Not available.

Engineering control measures

Ensure adequate ventilation, especially in confined areas.

Individual protection measures

Respiratory protection

Not necessary.

Hand protection

It is not necessary. Only use PVC gloves if handling the product for a long time.

Eye / face protection

Safety glasses for chemical products.

Skin protection

Suitable industrial clothes.

SECTION 9 Physical and Chemical Properties

| | |
|--|---|
| Aspect (physical state, shape, color) | White Viscous Liquid |
| Odor | Characteristic |
| pH | 5,0 – 7,0 |
| Melting point / freezing point | Not available |
| Initial boiling point and boiling temperature range | Not available |
| Flash Point | 70°C |
| Evaporation rate | Not available |
| Flammability (solid, gas) | Non flammable |
| Lower / upper flammability or explosive limits | Not explosive |
| Steam pressure | Not available |
| Vapor Density | Not available |
| Relative density | 0,0887 – 0,975 g/cm ³ (20/4°C) |
| Solubility | In water: soluble |
| Coefficient of Participation - n-octanol / water | Not available |
| Autoignition temperature | Not available |
| Decomposition temperature | Not available |
| Viscosity | Not available |
| Distillation range | Not available |

SECTION 10 Stability and Reactivity

| | |
|----------------------------|---|
| Reactivity | Not available |
| Chemical Stability: | Product stable under normal conditions. |

| | |
|---|--|
| Possibility of hazardous reactions: | Not available |
| Conditions to avoid (e.g. static discharge, shock or vibration): | Very hot places. |
| Incompatible Materials: | Oxidizing Agents |
| Hazardous decomposition products: | Fire may produce toxic and irritant gases in addition to Carbon Monoxide and Carbon Dioxide. |

SECTION 11 Toxicological Information

| | |
|---|----------------|
| Acute Toxicity | Not available |
| Skin corrosion / irritation | Not Classified |
| Serious eye damage / eye irritation | Not Classified |
| Respiratory or skin sensitization | Not Classified |
| Germ cell mutagenicity | Not Classified |
| Carcinogenicity | Not Classified |
| Reproductive toxicity | Not Classified |
| Specific target organ toxicity - single exposure | Not Classified |
| Specific target organ toxicity - repeated exposure | Not Classified |
| Danger by aspiration | Not Classified |

SECTION 12 Ecological Information

| | |
|---------------------------------------|--------------------|
| Ecotoxicity: | Data not evaluated |
| Persistence and Degradability: | Biodegradable. |
| Bioaccumulation Potential: | Data not evaluated |
| Mobility in Soil: | Data not evaluated |
| Other Adverse Effects: | Not Available |

SECTION 13 Disposal Considerations

**Recommended methods
for final destination:**

Never dispose of in sewers or the environment. Product residues should be disposed of in accordance with applicable federal, state and local health and environmental regulations: ABNT-NBR 10.004 / 2004 and ABNT-NBR 16725.

Used packaging: Your disposal must conform to all applicable environmental and health regulations, obeying the same criteria applicable to products.

SECTION 14 Transport Information

RTPP – Res 420/04 ANTT | IMDG / DPC / ANTAQ | ICAO-TI / IATA-DGFT / ANAC
Product not classified as dangerous for transportation according to the regulation stated above.

Other information related to the transportation: Avoid the transportation on vehicles where the space is not separated from the driver's cabin. Ensure the driver to know the potential risks of the cargo as well as the actions in case of any accident or emergency. Verify if the recipients are well fastened before transporting the recipients. On fractional transportation each recipient must be properly identified with the labeling stated on the standards.

SECTION 15 Regulatory Information

Ordinance No. 229 of 2011 / MTE (which amends the Regulatory Norm "NR 26", which deals with Safety Signaling).

Ordinance 704/15 from the Federal Ministry of Labor and Employment (DOU from 05/28/2015) which amends the Regulatory Norm NR 26 (NR 26) – Signaling of Safety. This Ordinance includes the item 26.2.2.5 on the Regulatory Norm NR 26 approved by Ordinance NR 3214/1978 given by Ordinance NR 229/2011 with the following text: "The Products notified or registered as sanitizing at ANVISA are exempted from the obligation of preventable labeling established by the items 26.2.2, 26.2.2.1, 26.2.2.2 e 26.2.2.3 of NR 26."

Decree 2.657 / 1998 - promulgates ILO Convention No. 170 on Safety in the Use of Chemicals at Work, signed at Geneva on July 25, 1990.

Decree 7.404 from December 23, 2010.

Law 9.605 / 1998 Environmental Crimes.

Law 8.098 / 1990 Code of Consumer Protection.

Regulatory requirements are subject to change and may differ from region to region; it is the user's responsibility to ensure that its activities comply with local, federal, state and municipal laws.

CONTROLLED PRODUCT: Not applicable.

SECTION 16 Other Information

We believe all information given is accurate. It is offered in good faith but without guarantee. Since conditions of use are beyond our control, user assumes all responsibility and risk.

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

ABBREVIATIONS:

NG="NOT GIVEN"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable