

Safety Data Sheet acc. to OSHA HCS

Version number: 101

Revision date: 08/09/2023

Trade name: *Sealer for Beads SV-02E, Sealer for Patches SV-02E*

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: *Sealer for Beads SV-02E, Sealer for Patches SV-01E*

Internal identification code: 461282, 461283

Relevant identified uses of the substance or mixture and uses advised against: *The product acts as repair and sealer, preventing the tire has its structure affected by loss of air in the shaved area around repair and in the bead area.*

Remove all sources of ignition. Keep away from heat, open flames, hot surfaces, sparks and not smoke.

This product must not be used for applications other than those recommended in this section.

For further information consult the technical data sheet.

1.2 Identification of the company

Manufacturer/Supplier: *Vipal Rubber Corporation*

2601 NW 89 Court Miami – FL 33172 - U.S.A

E-mail: *info@vipal-usa.com*

Emergency telephone number: *+1 305 640 0330*

2 Hazards identification

2.1 Classification of the substance or mixture

According to WHS Regulations

Globally Harmonized System (GHS)

2.2 Label elements

Hazard pictograms



GHS02 GHS07 GHS08

Signal word: *Danger*

Hazard-determining components of labelling:

Naphtha (petroleum), full-range straight-run

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

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H304 May be fatal if swallowed and enters airways.

Precautionary statements:

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards: Not applicable

3 Composition/information on ingredients

3.1 Chemical characterization: Mixture

Dangerous components:

| CAS | Chemical name or technical name | Concentration (%) |
|--------------------------------------|---|-------------------|
| CAS: 64741-42-0 EINECS: 265-042-6 | Naphtha (petroleum), full-range straight-run Muta. 1A, H340; Carc. 1A, H350; Asp. Tox. 1, H304 | 70-100 |
| CAS: 1333-86-4 EINECS: 215-609-9 | Carbon black Self-heat. 2, H252 | 3-10 |
| CAS: 1314-13-2 EINECS: 215-222-5 | Zinc oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | <1 |

Additional information: Not available

4 First aid measures

4.1 Description of first aid measures

After inhalation: If case of indisposition, contact the Toxicology Information Center or a doctor. Bring this MSDS. Remove the victim to fresh air. If the victim is breathing with difficult, give oxygen. if necessary administer artificial respiration. Seek medical advice.

After skin contact: Remove contaminated clothing. Wash exposed skin with large amounts of water for at least 30 minutes. Seek medical advice.

After eye contact: Wash immediately with running water for at least 30 minutes, keeping eyelids open. If it's possible, remove contact lenses and seek immediate medical assistance.

After swallowing: Do not induce vomit.

Thoroughly rinse the victim's mouth with water. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed:

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May cause skin irritation with dryness and redness.

May cause eye irritation with tearing, pain and redness.

May cause shortness of breath, cough, dizziness drowsiness, weakness, loss of consciousness and headache.

It can cause damages to the central and peripheral nervous systems due to prolonged and repeated exposure.

Aspiration can cause pulmonary o edema and chemical pneumonitis.

It can cause damages to the cardiovascular system with tachycardia and ventricular arrhythmia.

4.3 Indication of any immediate medical attention and special treatment needed:

Avoid contact with the product when helping the victim.

In case of skin contact not rub the affected site.

If necessary, symptomatic treatment should include, above all, support measures to correction of hydro electrolytic and metabolic disturbances, and respiratory assistance.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: *Use chemical-powder (PQS), chemical-foam, or CO₂ sprinkles. Use water-mist spout to cool down adjacencies.*

Unsuitable extinguishing agents: *Jet of water*

5.2 Special hazards arising from the substance or mixture: *Dangerous when exposed to excessive heat or other sources of ignition.*

5.3 Advice for firefighters: *Self-contained breathing apparatus (SCBA), complete protective clothing, and leather gloves.*

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For people who are not part of the emergency services:

Eliminate all ignitions sources. Do not smoke.

Do not touch nor walk over spilt product.

Stay away from low areas and keep the wind to your back.

For people part of the emergency services:

Use waterproof protection clothes, nitrile gloves, closed shoes, protection goggles, and breathing mask for organic vapors.

Isolate the area in a radius of at least 50 meters, in all directions.

Maintain unauthorized people away.

6.2 Environmental precautions:

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Prevent seepage into sewage system, workpits and cellars.

Do not allow to enter sewers/ surface or ground water.

Do not allow product to reach sewage system or any water course.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Using water mist or vapor suppressing foam to reduce the dispersion of vapors.

Collect the material and put it into adequate containers, duly labeled for further treatment and disposal.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections: *No applicable*

7 Handling and storage

7.1 Precautions and directions for safe handling:

Handle the product in ventilated area or with general ventilation/exhaust system.

Avoid the formation of vapors or mists.

Avoid incompatible materials contact.

Hygienic measures: *Wash your hands before eating, drinking, smoking or using the toilet. Contaminated clothing should be changed and washed before reuse.*

7.2 Conditions for safe storage, including any incompatibilities: *Keep in a cool, covered and ventilated area, away from direct sunlight, moisture and strong sources of ozone.*

Prevention of fire and explosions:

Keep in a cool, covered and ventilated area, away from direct sunlight, moisture and strong sources of ozone.

Inspect containers for damage or leaks before handling them.

Remove all sources of ignition. Keep away from heat, open flames, hot surfaces, sparks and not smoke.

Information about storage in one common storage facility: *Store away from foodstuffs.*

7.3 Specific end use(s): *The product acts as repair and sealer, preventing the tire has its structure affected by loss of air in the shaved area around repair and in the bead area.*

8 Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

| | |
|---------------------------------|-----------------------|
| 1314-13-2 - Zinc oxide | |
| (ACGIH, 2019) REL TWA | 2 mg/m ³ |
| (NIOSH, 2011) REL TWA | 3.5 mg/m ³ |
| 1333-86-4 - Carbon black | |

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| | |
|-----|---|
| WEL | Short-term value: 7 mg/m ³ Long-term value: 3.5 mg/m ³ |
|-----|---|

Ingredients with biological limit values: Non-biological indicators of exposure were established.

8.2 Exposure controls

Limitation and supervision of exposure into the environment: Steam aspiration systems must be projected in observance to local regulations concerning limits of emission of volatiles substances.

Engineering control measures: Provide mechanical ventilation and exhaust system so to maintain the vapor concentration lower than the tolerance limit.

Eye protection: Tightly sealed goggles

Protection of hands and body: Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Use waterproof clothes.

Recommended: Nitrile gloves

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Indication: Breathing mask for organic vapors.

Thermal Hazards: Not applicable

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Viscous liquid

Colour: Black

Odour: Characteristic

Melting point/freezing point: Not available

Boiling point or initial boiling point and boiling range: 63-125 °C (Naphtha)

Flammability: Highly flammable

Lower and upper explosion limit: Not available

Flash point: -35 °C (closed cup (Naphtha))

Auto-ignition temperature: Not available

Decomposition temperature: Not available

pH: Not available

Viscosity at 23 °C: Not available

Solubility: Insoluble (water)

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Partition coefficient n-octanol/water: 4.85 (Naphtha)

Vapour pressure: Not available

Relative density at 23 °C (water=1): 0.75 - 0.79 g/cm³

Vapour density (air=1): Not available

Particle characteristics: No applicable

9.2 Other information: No further relevant information available.

10 Stability and reactivity

10.1 Reactivity: May have reactions with incompatible materials.

10.2 Chemical stability: Stable in normal use conditions.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: Elevated temperatures. Ignition sources and incompatible materials contact.

10.5 Incompatible materials: Strong oxidizers and acids.

10.6 Hazardous decomposition products: A toxic gas mixture is formed upon combustion, chiefly containing CO₂ and CO.

11 Toxicological information

11.1 Information on hazard classes

Acute toxicity: Product not classified as acute toxic.

| 64741-42-0 - Naphtha (petroleum), full-range straight-run | | |
|--|------|----------------------|
| Oral | LD50 | 5.000 mg/kg (rat) |
| Dermal | LD50 | 3.000 mg/kg (rabbit) |
| 1314-13-2 - zinc oxide | | |
| Oral | LD50 | >5.000 mg/kg (rat) |

Skin corrosion/irritation: It causes skin irritation with dryness, redness, and cracks.

Serious eye damage/irritation: It can cause eye irritation accompanied by redness.

Respiratory or skin sensitization: May cause dermatitis with dryness by repeated or prolonged exposure. Not expected to give rise sensitization breathing.

Germ cell mutagenicity: It is not expected mutagenic effects in germ cells.

Carcinogenicity: It is not expected that the product presents carcinogenicity to humans.

Reproductive toxicity: It is not expected to present toxicity to reproduction and lactation.

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Toxicity for specific target organ (STOT) - single exposure: *It can cause respiratory tract irritation and narcotic effects with breathlessness, cough, dizziness, drowsiness, weakness, loss of consciousness and headache.*

Toxicity for specific target organ (STOT) - repeated exposure: *It is not expected that the product presents effects of toxicity for specific target organs by repeated exposure.*

Aspiration hazard: *It is not expected that the product presents aspiration hazard.*

12 Ecological information

12.1 Toxicity: *Very toxic to aquatic life with long lasting effects.*

Naphtha: EC50 (algae, 96h): 0.26 mg/L

Zinc oxide: LC50 (fish, 96h): 2246 mg/L

Carbon black: EC50 (algae, 72h): > 10.000 mg/L

LC50 (fish, 96h): > 1000 mg/L

12.2 Persistence and degradability: *Due to the absence of data, it is expected that the product presents persistence and is not rapidly degraded.*

12.3 Bioaccumulative potential: *It is expected potential for bioaccumulation in aquatic animals.*

Naphtha: Log kow: 4.85

Zinc oxide: BCF: 3

Log kow: 1.53

12.4 Mobility in soil: *Undetermined.*

12.5 Results of PBT and vPvB assessment: *Not available*

12.6 Endocrine disrupting properties: *Not applicable*

12.7 Other adverse effects: *No further relevant information available.*

13 Disposal considerations

13.1 Waste treatment method

Product: *Treatment and disposal must be specifically evaluated for each product. Federal, state, and city laws must be consulted. Must not be disposed together with household garbage. Do not allow product to reach sewage system. Packaging (plastic and/or cardboard), if not contaminated, should be discarded in accordance to present law.*

Product remains: *Keep the product remains in its original packaging. Disposal should be carried out as established for the product.*

Uncleaned packaging: *Disposal must be made according to official regulations.*

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14 Transport information

Land transport, water transportation and air transport:

International Maritime Organization (IMO)

International Maritime Dangerous Goods Code (IMDG Code)

International Air Transport Association (IATA)

Dangerous Goods Regulation (DGR)

14.1 UN number or ID number: *UN1268*

14.2 UN proper shipping name: *1268 PETROLEUM DISTILLATES, N.O.S.*

14.3 Transport hazard class(es): *3 Flammable liquids*

14.4 Packing group: *II*

14.5 Environmental hazards: *The product is dangerous for the environment.*

Marine pollutant: *Yes*

Limited quantities (LQ): *1L*

EMS: *F-E, S-E*

14.6 Special precautions for user: *Not available*

14.7 Maritime transport in bulk according to IMO instruments: *Not applicable*

15 Regulatory information

Regulations

International Maritime Organization (IMO)

International Maritime Dangerous Goods Code (IMDG Code)

International Air Transport Association (IATA)

Dangerous Goods Regulation (DGR)

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This form provides information on protection, health, safety and the environment. Note that the handling of any chemical substance requires prior knowledge of its dangers to users.

The company using the product is responsible for providing training for its employees and hired parties with regards to the possible adverse risks of the product.

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Data compared to the previous version altered: *Adjustment of item 14.2 and template*

References:

SYSTEM OF CHEMICAL EXPOSURE HAZARD (SIRETOX). Available at: <<http://www.siretox.com.br>>.

OSHA: Available at: <www.osha.gov>.

BR Petrobras Distribuidora. Material Safety Data Sheet, Solbrax 55/75. Revision date: 16/11/2018.