

MATERIAL SAFETY DATA SHEET

Survival Liquid Tyre Sealant

FILE NO.:MSDS9801/01
MSDS DATE: 04/11/2013



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Survival Liquid Tyre Sealant

MANUFACTURER: Survival Manufacturing (Pty) Ltd
ADDRESS: 260 Vonkprop Street
Unit 1
Samcor Park
Waltloo
Pretoria
0184

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FAX PHONE: +27128038274

PRODUCT DESCRIPTION: Latex/Glycol based tyre sealant for pneumatic tyres
PRODUCT USE: For the prevention of punctures of pneumatic tyres
PREPARED BY: Survival Tyre Safety (Pty) Ltd

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Latex (Natural Rubber latex)
1,2-Propylene Glycol USP
Aramide- Fibers (No asbestos, ceramics or glass)
Non-heavy metal based corrosion inhibitors
Thickeners

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: No major health hazards are known

POTENTIAL HEALTH EFFECTS

EYES: Exposure may cause irritation or redness. Symptoms may include redness and swelling

SKIN: Harmful effects are not expected under normal conditions of handling and use. Prolonged exposure may cause irritation or rash

INGESTION: Single dose oral toxicity is low. Swallowing small amounts is not likely to cause harmful effects. Swallowing large amounts may be harmful.

INHALATION: Harmful effects are not expected from this route of exposure under normal conditions of handling and use.

CARCINOGENICITY: No ingredient of a concentration of 0.1% or greater is listed as a carcinogen or suspected carcinogen.

SECTION 4: FIRST AID MEASURES

EYES: If symptoms develop, immediately move the individual away from exposure and into fresh air. Flush the eyes gently with water while holding eyelids apart. Seek immediate medical attention.

SKIN: Harmful effects are not expected from this route of exposure under normal conditions of handling and use. Although contact with propylene glycol may cause allergic skin reaction. Wash effected area with soap and water.

INGESTION: If swallowing, seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth. Place individual on side with head down. If the individual is conscious and alert, induce

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vomiting by placing two fingers at the back of the throat. If possible do not leave individual unattended. Seek or sent for medical attention.

INHALATION: Harmful effects are not expected from this route of exposure under normal conditions of handling and use. If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water, carbon dioxide, foam.

FLAMMABILITY/ HAZARDOUS PRODUCT OF COMBUSTION:

This product is non-flammable. Dried emulsion will burn producing carbon monoxide, carbon dioxide and sometimes oxides of nitrogen accompanied by dense smoke.

PROTECTIVE CLOTHING: Antistatic clothing and gloves.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Normal safe working practices.

SMALL SPILLS: Clean up with water before allowing to dry or let dry completely and peel off.

LARGE SPILLS: Clean up with water before allowing to dry. Absorb spills with sand or rags. Not particularly toxic to fish or plants but waste emulsion should be discharged without treatment. This is achieved by coagulation with alum or calcium chloride.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

Keep containers closed when not in use. It is recommended that containers of product be stored indoors or out of direct sunlight. Precautions should be taken when lifting containers to prevent injury. Empty containers should be cleaned thoroughly of product residue prior to re-use.

SUITABLE MATERIAL: Packaging in poly(ethylene) bottles or drums.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Approved safety glasses

HAND PROTECTION: Wear chemical resistant gloves such as nit rile rubber or natural rubber.

SKIN PROTECTION: Wear suitable protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Opaque yellow emulsion

ODOR: Characteristic pungent like odor

PHYSICAL STATE:

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pH AS SUPPLIED: 9
BOILING POINT: Greater than 120°C
FREEZING POINT: -40°C
STATE: Liquid
FLAMMABILITY: Liquid is not flammable. Dried emulsion is combustible.
EXPLOSIVE PROPERTIES:
Non-explosive
OXIDIZING PROPERTIES:
Not available
AUTO FLAMMABILITY:
Not applicable

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY (MATERIAL TO AVOID):

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Dried emulsion will burn producing carbon monoxide, carbon dioxide and sometimes oxides of nitrogen accompanied by dense smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Exposure may cause eye or skin irritation. No significant effects or symptoms expected if vapor inhaled or ingested.

SKIN AND EYE CONTACT: Can cause skin irritation.

CHRONIC TOXICITY: Not Applicable

CARCINOGENICITY: Not Applicable

MUTAGENICITY: Not Applicable

SECTION 12: ECOLOGICAL INFORMATION

BIO-ACCUMULATION: Not Applicable

MOBILITY: Not Applicable

GERMAN WGK: Not Applicable

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable local municipalities and government regulations.

DISPOSAL OF PACKAGING: Dispose through contractors.

SECTION 14: TRANSPORT INFORMATION

DOT DESCRIPTION: This product is non-flammable, non-hazardous and not regulated.

CONTAINER/MODE: 25lt Drums, 1lt Bottles, 500ml Bottles, 250ml Bottles.

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SECTION 15: ENVIRONMENTAL INFORMATION

Disposal method may depend on Regulations. Disposal by contractor or in an approved chemical waste landfill may be necessary.

SECTION 16: OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.

SECTION 17: EXCLUSION OF LIABILITY

Information contained in this document is furnished in pursuance of the requirements of the Occupational Health and Safety Act (85/1993). Any reliance on such information for any purpose other than the aforementioned will be done at the purchaser's own risk. The supplier does not warrant or make any representation as to the fitness of such products for specific purposes, processes or applications. The supplier will not be liable for any loss arising out of, or by reason of reliance on information contained in this document.

SECTION 18: APPROVAL

APPROVED BY: Rudolf Smith (Sims Khula)

DATE: 13/11/2013