

Material Safety Data Sheet

TYPE: PB91

Revision Date: 20 June 2023

MSDS no.: 22-01-017

Section 1-Chemical product and company identification

Trade name: Radiator Leak Stop

Effective Date: 2025.09.21

MSDS#: PB91

(a) Product identifier

Product name : Radiator Leak Stop

(b) Recommended and not recommended uses of the substance or mixture

Recommended uses: Short-term leak stoppage for automotive water tank leakage

Not recommended uses : No data

(c) Detailed information of the manufacturer

Supplier : A Q H import and export Pty Ltd. (PRIME-BOND)

Address : 111 nicolasmit street,monument,krugersdorp,Gauteng,south africa

Enterprise emergency contact number : +27-823844256

Email : andre@prime-bond.co.za

Section 2 - Composition / Information on Ingredients

ITME	Ingredient Name	CAS Number	GHS classification	% vol
01	Deionized water	7732-18-5	No hazard	75-85%
02	Ethylene glycol	107 - 21 - 1	No information	1 - 5%
03	Acrylic polymer	27791 - 81 - 7	No information	1 - 3%
04	Bentonite	98561 - 46 - 7	No hazard	1 - 5%
05	Peach gum powder	9000 - 01 - 5	No hazard	6 - 15%
06	Ginger powder	N/A	No hazard	5 - 10%

Section 3 - Hazards Identification

(a) Classification of substances or mixtures according to hazard

overview According to GHS classification

Not applicable

(b) Label elements, including preventive statements

Pictogram : Not applicable

Signal word : Not applicable

Hazard description

Not applicable

Preventive statements

P101: If medical attention is needed, carry the product container and label with you.

P102: Keep out of reach of children.

P103: Read the label before use.

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P280: Wear protective gloves/wear protective clothing/wear protective goggles/wear protective masks.

P314: If you feel unwell, seek medical advice/attention.

P331: Do not induce vomiting.

P308 + P313: If exposed or in doubt: Seek medical advice/attention.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations to the designated place

(C) Other hazards: No relevant data

Section 4 - First aid measures

(a) Description of emergency measures

General advice : Seek medical help immediately if an accident or discomfort occurs

Inhalation : Quickly leave the scene to a fresh air place, keep the airway unobstructed, and seek medical help if feeling unwell

Ingestion : Rinse the mouth with clean water and seek medical treatment

Eye contact : Raise the eyelids and rinse with flowing clean water or normal saline for at least 15 minutes. Seek medical treatment immediately if there is still irritation

Skin contact: Immediately wash thoroughly with soap and plenty of water, and remove all contaminated clothes and shoes. If the skin irritation persists, seek medical treatment

(b) The most important symptoms and effects, acute and delayed: No data

(c) Immediate medical attention and instructions for special treatment: Treat according to symptoms

Material Safety¹ Data Sheet

acc. to ISO9001: 2000

Section 5 - Fire-Fighting Measures

(a) Fire extinguishing agents

Suitable fire extinguishing agents: Carbon dioxide, chemical dry powder

Unsuitable fire extinguishing agents : No data

(b) Special hazards generated by chemicals: No data

(c) Special protective equipment and preventive facilities for firefighters

In case of fire, wear a self-contained breathing apparatus, select appropriate firefighting measures according to the fire environment, transfer the undamaged containers from the dangerous area when it is safe, and dissipate heat to avoid pressure rise. Be careful when using carbon dioxide in a confined space. Carbon dioxide can replace oxygen. Wear an independent breathing apparatus and chemical protective clothing.

Section 6 - Accidental Release Measures

(a) Personal preventive measures, protective equipment and emergency procedures: Evacuate personnel to a safe area. Avoid contact with skin, eyes and clothes. Ensure sufficient ventilation, especially in enclosed areas, and do not inhale dust/smoke/gas/mist/vapor/spray.

(b) Environmental protection measures: Prevent the product from entering the sewer

(c) Methods and information for collection and cleaning: Collect and transfer to a suitable labeled container to avoid dust fall.

Section 7 - Handling and Storage

(a) Precautions for safe operation: Handle in accordance with good industrial hygiene and safety practices, avoid contact with skin, eyes and clothes, avoid dust fall, and do not inhale dust/smoke/gas/mist/vapor/spray.

(b) Safe storage conditions, including any incompatibility issues: Store in a sealed place in a dry and cool place. Keep away from fire and heat sources. It should be stored separately from oxidants, acids and halogens. Equip with the corresponding types and quantities of fire-fighting equipment. The storage area should be equipped with suitable materials to contain the leakage.

Section 8 - Exposure Controls / Personal Protection

(a) Exposure control

Engineering control : Strictly abide by the operating procedures, wear protective clothing and rubber gloves; install ventilation equipment in the workplace

(b) Personal protective equipment

Personal protective equipment :

Respiratory protection: Generally, no special protection is required, but it is recommended to wear a self-absorbing filter-type dust mask when it may be in contact with its vapor

Skin protection: Wear general work protective clothing and protective gloves

Eye protection: Generally, no special protection is required, but it is recommended to wear chemical safety protective glasses under special circumstances

Hygiene measures: Wash hands or take a shower after work

(c) Environmental exposure control: Avoid release into the environment

Material Safety₂ Data Sheet
acc. to ISO9001: 2000

Section 9 - Physical and Chemical Properties

Physical State: Viscous heterogeneous liquid-solid
mixture Olfactory threshold : No data pH : 5 - 7
Melting point/freezing point : No data
Boiling point/boiling range : No data
Flash point : No data
Evaporation rate : No data
Flammability (solid, gas) : No data
Spontaneous combustion limit in air : No data
Vapor pressure : No data
Vapor density : No data
Relative density (20° C) : 1.06 ± 0.03
Water solubility : Partially miscible
Partition coefficient [B] No data : No data
Spontaneous combustion temperature : No data
Decomposition temperature : No data
Kinematic viscosity (25° C) : No data
Dynamic viscosity : No data
Combustion and explosion characteristics : No data
Oxidizing property : No data

Section 10 - Stability and Reactivity

- (a) Stability: Stable under normal conditions
- (b) Chemical stability: Stable under the recommended storage conditions
- (c) Possibility of dangerous reactions: No possibility under normal handling
- (d) Conditions to avoid: No available data
- (e) Incompatible substances: No available data
- (f) Harmful decomposition products: No available data

Section 11- Toxicological Information

- (a) Information on toxicological effects
 - Acute toxicity : No data
 - Skin corrosion/allergy : No data
 - Severe eye damage/eye irritation : No data
 - Sensitization effect : No data
 - Germ cell mutagenicity : No data
 - Carcinogenicity : No data
 - Reproductive toxicity : No data
 - Specific target organ system toxicity - single exposure : No data
 - Specific target organ system toxicity - repeated exposure : No data
 - Inhalation hazard substances : No data

Material Safety₃ Data Sheet

acc. to ISO9001: 2000

Section 12 - Ecological Information

Toxicity : No available information
Persistence and degradability : No available information
Potential for bioaccumulation : No available information
Mobility in soil : No available information
Other adverse effects: No available information

Section 13 - Disposal Considerations

Waste disposal method : Product disposal suggestion: Comply with local regulations
Packaging disposal suggestion: Containers can be recycled or reused. Comply with local regulations. If the material may have an impact on the environment and human health, as unclassified waste, it should be recycled separately for recycling and reuse

Section 14 - Transport Information

Proper Shipping Name: N/A
UN number : Not applicable
Official transport name: Radiator Leak stop
Hazard classification : Not applicable
Transport pictogram :Not applicable
Packaging category :No available data
Environmental hazard :No available data
Special precautions :No applicable
Bulk transport according to Annex II MARPOL : Not applicable
73/78 IBC code :Not applicable

Section 15 - Regulatory Information

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance).

Economic commission for Europe Committee on Inland Transport ECE/TRANS/242(Vol.I) of available as from 1 January 2015 European Agreement concerning the International Carriage of Dangerous (ADR)

Convention concerning International Carriage by Rail (COTIF): Appendix C –

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) with effect from 1 January 2011.

Material Safety₄ Data Sheet
acc. to ISO9001: 2000

Section 16 - Other Information

H phrases related in Part 3

H302: Harmful if swallowed

Abbreviations:

LC50: Lethal concentration 50

LD50: Lethal dose 50

ATEmix: Acute Toxicity Estimation of Mixtures

bw: Body weight

GCL: Generic Concentration Limit