



NATIONAL ADHESIVE DISTRIBUTORS

CK 2000/063562/23 VAT No.: 4370194633

Head Office:
Phone: (031) 464 0273
93 Goodwood Road
Mahogany Ridge
Durban, 3608

Fax: (031) 464 0107
PO Box 28089
Malvern
4055

JHB Branch:
Phone: (011) 021 4177
Unit 6, Hambleton Park
98 Richards Drive, Halfway House
Midrand, JHB, 1686

CPT Branch:
Phone: (021) 801 4258
Unit B19, Icon Park
Fourie Street, Brackenfell
Cape, 7560

Fax: 086 544 8866/
086 544 8877
PO Box 8599
Halfway House
Midrand, 1685

Fax: 086 547 5373/
086 527 1045
PO Box 761
Brackenfell
7561

Virginia, USA:
Phone: (+1) 571 340 4478
8280 Willow Oaks
Corporate Drive
Suite 600
Fairfax, VA, 22031

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT INFORMATION

Trade Name(s): GLUEDEVIL EXHAUST SEALER BLAZE GUM

Chemical Name(s): EXHAUST SEALER CEMENT

Synonyms: None.

Chemical Formula: Formulated blend of inorganic oxide, silicate, and carbonate.

Registration Numbers: CAS: Not applicable to mixtures.
UN: None allocated.

Manufacturer / Supplier: National Adhesive Distributors cc.
Republic of South Africa

EMERGENCY NUMBER: +27 (0) 82 903 2746

SECTION 2. COMPOSITION

This product is a secret blend of inorganic oxide, silicate and carbonate.

It comprises:

Hydrated Aluminium Silicate:

Ingredient sequence number 1

CAS No:1332 - 58 - 7

NIOSH No: none known

Other Recommended Limits: OSHA, PEL 15 mg / m³ (TWA) total particulate.

5 mg / m³ respirable fraction.

ACGIH Threshold Limit Value (TLV) 2 mg / m³.



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NIOSH recommended exposure limits (REL) 10 mg / m³ (TWA) total particulate, 5 mg / m³ respirable fraction

Sodium Silicate:

Ingredient sequence number 2

Other names: Water glass

CAS No: 13344 - 09 - 8

NIOSH No: VV 9275000

Another recommended limit: LDLo orl – dog, 250 mg / kg.

Manganese Dioxide:

Ingredient sequence number 3

CAS No: 1313 - 13 – 9

NIOSH No: OP 0350000

OSHA (PEL): 5 mg / m³

ACGIH (TLV): 5 mg / m³

Calcium Carbonate:

Ingredient sequence number 4

CAS No: 1317 - 65 – 3

NIOSH No: EV 9580000

TLV (air) 10 mg / m³.

Water:

Ingredient sequence number 5

CAS No: 7732-18-5

NIOSH No: ZCO 110000



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SECTION 3. HAZARDS IDENTIFICATION

TO MAN: None in normal use.

TO THE ENVIRONMENT: None in normal use.

SECTION 4. FIRST AID MEASURES

SYMPTOMS AND EFFECTS

Health Effects: No specific data is available for the product for chronic exposure symptoms. The materials in this product are not considered to be carcinogenic.

Inhalation: Data suggests that the product being a paste should be considered to be non-irritating and non-toxic by inhalation.

Eye: Data suggests that this product should be classified as a severe irritant to the eyes. May cause problems including corneal damage if contact is not treated promptly.

Ingestion: Data suggests that the product should be considered to be harmful by ingestion. May cause abdominal pain and nausea. Summon medical assistance.

Skin: Prolonged contact with this substance may cause severe skin irritation in some individuals due to removal of natural skin oils.

FIRST AID

The following instructions are meant for people coming into frequent and lengthy contact with this product. For occasional use, take precautions suitable for the conditions under which the product is being used. If poisoning occurs, contact a Doctor or Poisons Information Centre. Eye wash stations or baths and deluge showers should preferably be available where the product is used or handled in bulk.

Product Inhalation: Inhalation of this product is unlikely as the product is a paste.

Product in eye: If this product comes in contact with the eyes, hold the eye open and flush with running water for at least 15 minutes. Ensure irrigation under the eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained.

Product Ingestion: Do NOT induce vomiting; rather get the victim to drink a glass or two of water. Consult a physician.



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Product on skin: The product has no effect on the skin in normal use, no first aid is therefore applicable. If there is appreciable or lengthy contact with the skin the natural oils in the skin may be removed, wash thoroughly with water, dry, and apply a moisturising cream preferable one containing Lanolin.

Advice to Physician: Treat symptomatically. Note the nature of this product.

SECTION 5. FIRE FIGHTING MEASURES

Flash point: Non-flammable, and will not support combustion.

EXTINGUISHING MEDIA

Small or large fire: As suitable for the adjacent materials on fire.

HAZARDS None identified.

Decomposition products: The product is stable at very high temperatures.

Polymerisation: Will not polymerise.

Stability: Very stable.

Materials to avoid: Mineral acids, organic acids, and organic materials.

PROTECTIVE EQUIPMENT

In normal use no protective equipment is required, but if working above eye level wear protective goggles. Persons with sensitive skin may wish to wear a barrier cream or gloves if handling the material for long periods of time.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear full protective clothing including overalls face shield and gauntlets if splashing is likely to occur.

Small spillage: Absorb onto vermiculite or other absorbent material. Sweep up and shovel into labelled containers for recycle or disposal.

Large spillage: Stop the leak if safe to do so and contain the spill. Absorb onto vermiculite or other absorbent material. Sweep up and shovel the material into labelled containers for recycle or disposal. Recycle the material wherever possible. After spills, wash the area, preventing runoff from entering the drains.



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Environmental precautions: In the event of a major spill, prevent the spill from entering drains or water courses. The absorbed material may be suitable for approved landfill. Dispose only in compliance with local, state, and federal regulations.

SECTION 7. HANDLING AND STORAGE

Handling: When transporting liquid materials, a secondary protective container must be provided in case of leakage. This material has no special handling requirements and is not a scheduled poison.

Storage: Containers should be kept closed to avoid contamination. Keep away from extreme heat and open flames, which will damage the product.

SECTION 8. PERSONAL PROTECTION / EXPOSURE CONTROLS

OCCUPATIONAL EXPOSURE STANDARDS:

A time weighted average (TWA) concentration for an 8-hour day and 5 day working week has not been established for this product. A TWA of 10mg /m³ is however recommended for inspirable dust and mists when limits have not been otherwise established. The nature of this product (paste) makes it unlikely that this level will be approached in normal use. See ingredients section of this data sheet (paragraph 2).

ENGINEERING CONTROL MEASURES:

The hazardous practice of dropping containers from delivery vehicles should be avoided. The correct equipment for handling the containers should be used. The ventilation of the areas used for storage, discharge or dispensing in bulk should be as normally required for chemical handling areas.

PERSONAL PROTECTION:

Respiratory: None under normal use.

Hand: None under normal use. Rubber, PVC or other protective gloves are not necessary, but are desirable, especially if the product is being used frequently or for lengthy periods by individuals with a very sensitive skin.

Eye: None under normal use. Goggles must be used when handling this product in bulk, or when using the material above eye level.

Skin: None under normal use but note comments above under "hand".



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark grey / brown paste.

Odour: None.

pH: Slightly alkaline.

Boiling point / range: Not applicable.

Melting point / range: Not applicable.

Flash point: Non-flammable

Flammable limits: Non-flammable.

Explosive Properties: None identified.

Vapour pressure: That of water.

Density: Not determined but approximately 1.3 g / ml.

Solubility in water: Partially soluble in water.

Corrosiveness: Corrosive to mild steel and aluminium containers.

SECTION 10. STABILITY AND REACTIVITY

Stability: Completely stable even at high temperatures but will dry out and solidify.

Incompatible materials: Mineral acids, organic acids and organic materials

Hazardous decomposition products: None identified.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Oral: Data suggests that the product should be considered to be harmful by ingestion. May cause nausea, vomiting and stomach cramps.

Dermal: The product is irritating and harmful to the skin resulting in the removal of natural oils from the skin. If used frequently or for extended periods a moisturising cream should be subsequently applied.



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Inhalation:	The product may be considered to be irritating and toxic by inhalation, but being a paste is unlikely to be inhaled.
CHRONIC TOXICITY	Not toxic under normal exposure conditions.
IRRITATION	
Skin:	Very irritating to sensitive individuals due the removal of natural oils.
Eyes:	Irritating to the eyes. May cause problems including corneal damage if contact is not treated promptly.
Respiratory:	Inhalation may cause irritation but is highly unlikely to occur, as the material is a paste.
CARCINOGENICITY	No evidence to indicate carcinogenic toxicity.
MUTAGENICITY	No evidence to indicate mutagenic toxicity.
REPRODUCTIVE HAZARDS	No evidence to suggest reproductive toxicity.

SECTION 12. ECOLOGICAL INFORMATION

This product is partially soluble in water but there is no evidence that any lasting ecological damage will result from a spillage. It is however advised that spillage should be avoided, and that every precaution should be taken to prevent the product entering the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Dispose only in compliance with local, state, or federal regulations. The product when absorbed on a suitable absorbent is expected to be suitable for disposal in approved landfills.

Classification: Not available

Disposal of packaging: Not available

SECTION 14. TRANSPORT INFORMATION

UN Classification: None allocated

ADR/RID: Unregulated

IATA - Class: Unregulated



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SECTION 15. REGULATORY INFORMATION

- National legislation:** None applicable
- EEC hazard classification:** Not regulated under Directive 67/548/EEC
- Risk phrases:** Not considered hazardous in normal application.
- Safety phrases:** None.

SECTION 16. OTHER

APPLICATION OR USE OF THE PRODUCT

For the repair / sealing of the exhaust systems (mufflers), of internal combustion engines.

Disclaimer of Liability: The information contained herein is based on the data available to us and, is to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we assume no liability for damages incurred by use of this material. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which may exist. Users of this product should satisfy themselves that the conditions and methods of use assure the product is used safely. No representations or warranties, either expressed or implied, of any nature are made hereunder with respect to the information contained herein. It is the responsibility of the user to comply with any and all local laws and regulations which may exist. Nothing contained herein is to be construed as a recommendation for use in violation of any applicable laws or regulations.

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