



**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

## 1. IDENTIFICATION

Product Name: **GlueDevil Grey Sensor-Safe Gasket Maker**

Item: GD 70ml Grey Sensor Blister

Product: Neutral-Curing Grey Silicone

Usage: Silicone Elastomer

Company: National Adhesive Distributors  
Westmead, KZN, South Africa.

Telephone: +27 31 464-0273

Emergency Number: +27 82 903 2746

## 2. HAZARDS IDENTIFICATION

### GHS Classification

**Classification according to Regulation (EC) No 1272/2008 as amended:**

Skin sensitizer; Category 1

Serious eye damage/eye irritation; Category 2

**GHS-Labeling Regulation (EC) No. 1272/2008:**



Signal word : Warning

### Hazard statements

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

### Precautionary statements:

Precautionary Statement -

Prevention : Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection



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Precautionary Statement –

Response : IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

Precautionary Statement –

Disposal

: Dispose of contents/container to an approved incineration plant.

**Labelling according to EC Directives**

1999/45/EC

Hazardous components which must be listed on the label:

Aminoethyl aminopropyl trimethoxy silane

Symbol(s)	: Xi	Irritant
R-phrases(s)	: R36	Irritating to eyes.
	R43	May cause sensitization by skin contact.
S-phrases(s)	: S24	Avoid contact with skin.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37	Wear suitable gloves.
	S60	This material and its container must be disposed of as hazardous waste.

**3. COMPOSITION**

**Chemical nature**

Mixture of polydimethylsiloxanes, fillers and cross-linkers.

**Hazardous components**



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Chemical Name	CAS-No.	EINECS-No. ELINCS No.	Symbol(s)	R- phrase(s)	Concentration %
Aminoethyl aminopropyl trimethoxy silane	1760-24-3	217-164-6	Xi	R41, R43, R52	>= 5,000 - < 10,000
ETHYL METHYL KETOXIME	96-29-7	202-496-6	Xn	R41, R43, R52	>= 0,100 - < 1,000

**Hazardous components Regulation (EC) No. 1272/2008**

Chemical Name	CAS-No.	EINECS- No. ELINCS No.	Hazard classification Hazard statements	Concentration %
Aminoethyl aminopropyl trimethoxy silane	1760-24-3	217-164-6	Category 2 Chronic hazards to the aquatic environment H411. Category 1 Skin sensitizer H317. Category 1 Serious eye damage/eye irritation H318.	>= 5,000 - < 10,000
ETHYL METHYL KETOXIME	96-29-7	202-496-6	Category 2 Carcinogenicity H351. Category 4 Acute toxicity H314. Category 1 Serious eye damage/eye irritation H318. Category 1 Skin sensitizer H313.	>= 0,100 - < 1,000

**4. FIRST AID MEASURES**

- Inhalation : Move to fresh air in case of accidental inhalation of vapors.
- Skin contact : After contact with skin, remove product mechanically. Wash off with soap and water.
- Eye contact : Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.
- Ingestion : Rinse mouth. Consult a physician if necessary.

**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : All standard extinguishing agents are suitable.



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**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Use personal protective equipment.  
Methods for cleaning up: Use mechanical handling equipment. Shovel into suitable container for disposal.

**7. HANDLING AND STORAGE**

**Handling**

Advice on safe handling: Methyl ethyl ketoxime (MEKO; 2-Butanone-oxime) is formed during processing. Wear personal protective equipment. Ensure adequate ventilation, especially in confined areas.

**Storage**

Requirements for storage containers : Keep containers tightly closed in a dry, cool and well-ventilated areas and place.

**8. PERSONAL PROTECTION / EXPOSURE CONTROLS**

**Components with workplace control parameters**

Components	CAS-No.	Control parameters
Titanium Dioxide	13463-67-7	Basis: EH40 OES; Update: 2000; Time Weighted Average (TWA): 10 mg/m3
		Basis: EH40 OES; Update: 2000; Time Weighted Average (TWA): 4 mg/m3
		Basis: EH40 WEL; Update: 2005; Time Weighted Average (TWA): 4 mg/m3
		Basis: EH40 WEL; Update: 2005; Time Weighted Average (TWA): 10 mg/m3

**Personal protective equipment**

**Respiratory protection:**

Gas mask for organic gas if MEKO exposure limits are exceeded (3 ppm 8-hr TWA, recommended workplace exposure guideline).

**Hand protection:**

Advise - There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.



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### Eye protection:

Safety glasses with side-shields conforming to EN166

### Hygiene measures:

Avoid contact with eyes, skin, and clothing.

Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

### Protective measures:

Wear suitable gloves and eye/face protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form : Paste  
Color : grey  
Odor : strong

### Safety data

Flash point : ca.136 °C Auto ignition  
temperature : 450 °C  
Density : 1,04 g/cm<sup>3</sup> at 23 °C  
Solubility/qualitative : insoluble  
Water solubility : immiscible  
Viscosity, kinematic : >7 mm<sup>2</sup>/s at 40 °C  
Thermal decomposition : Note: No decomposition if stored and applied as directed.  
Miscibility with water : immiscible

## 10. STABILITY AND REACTIVITY

Materials to avoid: Moisture.

Strong acids and strong bases



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Further information: Reacts with water/moisture liberating Methylethylketoxime  
(MEKO) = 2-Butanone-oxime.  
No dangerous reaction if used as recommended.

**11. TOXICOLOGICAL INFORMATION**

Human experience : Experience has shown, that the above-mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed.

**Further information**

This product will liberate methyl-ethyl-ketoxime (MEKO) on curing, contact with water or moisture in the air. The toxicity of pure MEKO is characterized by: Mild skin irritation, severe eye irritation, and systemic toxicity after inhalation or long-term exposure. The acute inhalation 4-hr LC50 was

> 4.8 mg/L. Long-term inhalation studies (>28 days) with 2-butanone-oxime in male rats and mice showed at concentrations of 10 ppm and higher atrophy of the mucous membrane of the nose in rats and mice. This effect is most probably due to the irritating potential of 2-butanone-oxime. Central nervous system effects (motor function, narcotic), which were reversible, when exposure is terminated, were observed at high concentrations. Acute exposure to 400 ppm in air caused effects on blood chemistry (methemoglobinemia). MEKO has been shown to elicit skin sensitization in Guinea pigs, but no sensitization has been reported in humans. After lifelong inhalation exposure to the maximum concentration of 375 ppm liver carcinomas were observed in male rats and mice. In male rats exposed to concentrations of 75 ppm benign liver tumors were observed. The lowest test concentration of 15 ppm caused no tumors. The relevance of these tumors to humans is unknown.

**12. ECOLOGICAL INFORMATION**

Additional ecological information: Eco toxicological data for this product is not available.

**13. DISPOSAL CONSIDERATIONS**

Product : According to local regulations, can be taken to an appropriate incinerator equipped with exhaust gas cleaning.

Contaminated packaging : Dispose of as unused product.

**14. TRANSPORT INFORMATION**

Further Information : This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

Keep away from foodstuffs and animal feed.

Keep away from odor sensitive materials.



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**15. REGULATORY INFORMATION**

**Inventories**

Australia Inventory of Substances (AICS)	y (positive listing)	Chemical
EU list of existing chemical substances	y (positive listing)	
Japan Inventory of Existing & Substances (ENCS)	y (positive listing)	New Chemical
China Inventory of Existing Substances	y (positive listing)	Chemical
Korea Existing Chemicals	y (positive listing)	Inventory (KECI)
Canada DSL Inventory	n (Negative listing)	
Canada NDSL Inventory	n (Negative listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)	
TSCA list	n (Negative listing)	Not on TSCA Inventory

For inventories that are marked as quantity restricted or special cases, please contact National Adhesive Distributors.

**16. OTHER INFORMATION**

**Full text of R-phrases referred to under sections 2 and 3**

R21	Harmful in contact with skin.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R52	Harmful to aquatic organisms.



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### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### Legal Disclaimer:

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