

Safety Data Sheet

1. Identification of the substance / preparation and the Company

1.1 Identification of the substance or preparation

Product name RAJ Black Waterbased Stoneguard
Chemical name and synonym not applicable (mixture)

1.2 Use of the substance / preparation

Intended use STONEGUARD PROTECTIVE COMPOUND

1.3 Company identification

Name R A Johnstone & Co Ltd
Full address 739 Great South Rd, Otahuhu
District and Country PO Box 97 948 SAMC Manukau 2240
Auckland New Zealand
Phone: +64 9 261 0333; Fax: +64 9 261 0330
www.raj.co.nz

1.4 Emergency telephone 24 hours emergency telephone
For urgent inquiries refer to National Poison Information Centre : 0800 POISON [764 766]

2. Composition / Information on ingredients

Contains:

Name	Concentration C	Classification
ETHANEDIOL	4,6 <= C < 5,1	Xn R22
Cas No 107-21-1		
CE No 203-473-3		
Index No 603-027-00-1		

The complete text of -R- phrases is specified in section 16.

3. Hazards Identification

This product is not dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. Nevertheless, this product contains dangerous substances in concentrations that must be declared in section No. 2 and requires a safety data sheet containing all the information required under the 91/155 EC regulation and subsequent amendments.

This product contains sensitizing substance/s and may cause allergic reactions.



The HSNO Approval Number for this Group Standard is HSR002670.

4. First aid measures

INHALATION:

In case of troubles: move the affected person to fresh air. Use oxygen or artificial respiration if necessary. Consult a physician.

SKIN CONTACT:

Wash with soap and water.

EYES CONTACT:

Wash immediately and for long time with plenty of water. If the irritation persists, consult an ophthalmologist.

INGESTION:

Do not induce vomiting. Consult a physician.

5. Fire-fighting measures

SUITABLE METHODS FOR FIRE EXTINGUISHING:

Water sprays mist, foam, chemical powder, carbon dioxide (CO₂), and sand.

DO NOT USE: water jet.

SPECIFIC DANGERS:

Thermal decomposition into carbon monoxide, carbon dioxide, etc..

SPECIAL FIRE FIGHTERS PROTECTIVE SYSTEMS:

In case of fire use autonomous respiratory systems. Do not breathe fumes.

6. Accidental release measures

PRECAUTIONS FOR ENVIRONMENT PROTECTION:

Do not allow the product to enter the sewers (filling up hazard by polymer precipitation).

Check the possible escape of the product.

If the product contaminates lakes, rivers or sewages, inform appropriate authorities .

CLEANING METHODS:

Pump into an inert emergency tank.

Contain spillage with absorbent materials. After cleaning, eliminate every trace with water.

Dispose the product by incineration.

7. Handling and storage

HANDLING:

Technical measures/precautions:

Provide showers, eye fountains.

STORAGE:

Store in a well ventilated area. Keep away from heat. Store away from freezing. Store at temperature between 5 and 35°C. Keep container hermetically closed. Provide a retention tank.

PACKAGING MATERIALS RECOMMENDED: Polyethylene.

To avoid : Iron, Aluminium.

8. Exposure control / personal protection.

ETHANEDIOL

- TLV TWA	127	mg/m ³	ACGIH	
- TLV CEILING	100	mg/m ³	ACGIH	
- OEL	52	mg/m ³	EU (8h)	skinmg/mc

TLV of solvent mixture:127mg/mc

CONTROL PARAMETERS.

Exposure limits: the product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

PERSONAL PROTECTIVE EQUIPMENT:

Breathing protection: Wear a mask if vapours are released from heated product.

Wear a mask while cleaning containers.

Hand protection: Neoprene gloves.

Eye protection Goggles.

Skin and body protection: Protective suit. Boots.

9. Physical and chemical properties

Colour	black, grey, ivory
Odour	Faint
Physical state	liquid
Solubility	water soluble
Viscosity	12000 - 14000 cPs @ 25°C
Vapour density	NA
Evaporation speed	NA
Comburent properties	NA
Partition coefficient: n-octanol/water	N.A.
Softening Point	NA
Extrusion rate	NA
Penetration	NA
pH	7,5 - 8,5
Boiling point	N.A.
Flash point	N.A.
Explosive properties	N.A.
Ignition temperature	N.A.
Vapour pressure	N.A.
Specific gravity	1,15 - 1,25 kg/Lt.
Solid content:	62,00 % approx.
VOC:	10,00 % approx.

N/A- Not applicable

10. Stability and reactivity

CONDITIONS TO AVOID:

Do not expose to temperatures higher than 40°C.

Keep away from freezing.

DANGEROUS DECOMPOSITION PRODUCTS:

Thermal decomposition into dangerous products: carbon oxides.

11. Toxicological information

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

12. Ecological information

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

Ethylene glycol is biodegradable.

Water hazard class (WGK): 1.

13. Disposal consideration

DISPOSAL OF THE PRODUCT: Dispose by incineration.
DISPOSAL OF CONTAINERS: Dispose packaging by incineration.

14. Transport information

This substance is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

15. Regulatory information

The HSNO Approval Number for this Group Standard is HSR002670

Warning symbols: None

Hazard sentences (R): None

Caution recommendations (S): None

Contains:

Isothiazolinone derivates

May cause allergic reactions.

Safety data sheet available upon request for professional users.

Danger labelling under regulations 67/548/EEC and 1999/45/EC and following amendments and adjustments.

16. Other information

Text of -R- phrases quoted in section 2 of the sheet.

R22 HARMFUL IF SWALLOWED.

GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXIX);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition;

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Changes to previous review

The following sections were modified:

01 / 03 / 04 / 05 / 06 / 07 / 08 / 09 / 10 / 11 / 12 / 13 / 14 / 15