



ROB HARVEY ENVIRONMENTAL

SAFETY DATA SHEET

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Breakout

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Breakout
Company Rob Harvey Environmental
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2 HAZARDS IDENTIFICATION.

Main hazards Harmful if swallowed. Irritating to skin. May cause sensitisation by skin contact. Harmful by inhalation and if swallowed. Irritating to respiratory system and skin. Risk of serious damage to eyes. May cause sensitisation by inhalation and skin contact.

3 . COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Glutaral (Glutaraldehyde)	1 - 10%	111-30-8	203-856-5	T; R23/25 C; R34 R42/43 N; R50
Ammonium chloride (Ammonium chloride, fume)	1 - 10%	12125-02-9	235-186-4	Xn; R22 Xi; R36

4. FIRST AID MEASURES

Skin contact May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.

Ingestion Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE FIGHTING MEASURES

Extinguishing media Use as appropriate: carbon dioxide (CO2), dry chemical, foam.

Fire hazards Burning produces irritating, toxic and obnoxious fumes.

Protective equipment Self-contained breathing apparatus. Wear protective clothing.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Glutaral (Glutaraldehyde)	WEL 8-hr limit ppm: 0.05 WEL 15 min limit ppm: 0.05	WEL 8-hr limit mg/m3: 0.2 WEL 15 min limit mg/m3: 0.2
Ammonium chloride (Ammonium chloride, fume)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: 20

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Self-contained breathing apparatus. Wear protective clothing.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Clear.
Odour	Aromatic.
pH	5.0 typical
Flash point	n/a°C
Water solubility	miscible in water.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Materials to avoid	Acids. Alkalis.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Harmful in contact with skin and if swallowed. Eye damage may occur if immediate irrigation is not carried out.
Corrosivity	Causes burns.
Repeated or prolonged exposure	Repeated or prolonged exposure may cause dermatitis.

12. ECOLOGICAL INFORMATION

Degradability	The diluted product will biodegrade rapidly.
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13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
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14. TRANSPORT INFORMATION

ADR/RID

UN 1760	Packing group II
Class 8	Hazard ID 80
Proper Shipping Name CORROSIVE LIQUID, N.O.S, .	

IMDG

UN 1760	Packing group II
Class 8	Marine pollutant .
EmS Code F-A S-B	

IATA

UN 1760	Packing group II
Class 8	Subsidiary risk -
Packing Instruction (Cargo) 812	Maximum quantity 30 L
Packing Instruction (Passenger) 808	Maximum quantity 1 L

15. REGULATORY INFORMATION

Labelling The product is classified in accordance with 67/548/EEC.

Symbols Xn - Harmful



Risk phrases

- R22 - Harmful if swallowed.
- R38 - Irritating to skin.
- R43 - May cause sensitisation by skin contact.
- R20/22 - Harmful by inhalation and if swallowed.
- R37/38 - Irritating to respiratory system and skin.
- R41 - Risk of serious damage to eyes.
- R42/43 - May cause sensitisation by inhalation and skin contact.

Safety phrases

- S1/2 - Keep locked up and out of the reach of children.
- S13 - Keep away from food, drink and animal feedingstuffs.
- S22 - Do not breathe dust.
- S23 - Do not breathe gas/fumes/vapour/spray.
- S24 - Avoid contact with skin.
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S37/39 - Wear suitable gloves and eye/face protection.
- S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S46 - If swallowed, seek medical advice immediately and show this container or label.
- S63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest.

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16. OTHER INFORMATION

Text of risk phrases in Section 3.

R22 - Harmful if swallowed.
R23/25 - Toxic by inhalation and if swallowed.
R34 - Causes burns.
R36 - Irritating to eyes.
R42/43 - May cause sensitisation by inhalation and skin contact.
R50 - Very toxic to aquatic organisms.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.