

SAFETY DATA SHEET

PG303 – GEMLOCK ANAEROBIC RETAINER 50ml

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name PG303 – GEMLOCK ANAEROBIC RETAINER 50ml

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Main hazards: Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

Other hazards: Irritating to eyes. Irritating to skin. May cause sensitisation by skin contact. May cause sensitisation by inhalation.

3. HAZARDS IDENTIFICATION

Hazardous ingredients: 2-HYDROXYPROPYL METHACRYLATE 10-30%

EINECS: 213-090-3 CAS: 923-26-2

[Xi] R36; [Sens.] R43

- 2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE 1-10%

EINECS: 239-701-3 CAS: 15625-89-5

[Xi] R36/38; [Sens.] R43

- ACRYLIC ACID 1-10%

EINECS: 201-177-9 CAS: 79-10-7

[-] R10; [Xn] R20/21/22; [C] R35; [N] R50

- CUMENE HYDROPEROXIDE 1-10%

EINECS: 201-524-7 CAS: 80-15-9

[O] R7; [Xn] R21/22; [T] R23; [C] R34; [Xn] R48/20/22; [N] R51/53

4. FIRST AID MEASURES (symptoms)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

4. FIRST AID MEASURES (action)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. For persistent irritation seek medical advice.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam. Dry chemical powder. Carbon dioxide. Do not use water Jet

Exposure hazards: In combustion emits toxic fumes. Explosive.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits

WEL (8 hr TWA): 10ppm (30mg/m³)

WEL (15 min STEL): 20ppm (60mg/m³)

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid	Boiling point/range°C:	N/A
Colour:	Green	Melting point/range°C:	N/A
Odour:	Characteristic odour	Flash point°C:	>100
Oxidising:	Non-oxidising (by EC criteria)	Part.coeff. n-octanol/water:	< 3
Solubility in water:	Slightly soluble	Autoflammability°C:	N/A
Viscosity:	Viscous	Vapour pressure:	0.1 mmHg 20C
Viscosity value:	2500cps	Relative density:	1.08
Viscosity test method:	Brookfield (cps)	pH:	3 - 5

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat. Direct sunlight. Sources of ignition.
Materials to avoid: Oxidising agents.
Haz. decomp. Products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: 2-HYDROXYPROPYL METHACRYLATE
ORL MUS LD50 7964 mg/kg
• 2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE
IPR RAT LD50 55 mg/kg
ORL RAT LD50 5190 µl/kg
• ACRYLIC ACID
IPR RAT LD50 22 mg/kg
ORL MUS LD50 830 mg/kg
ORL RAT LD50 1250 mg/kg
SCU MUS LD50 1590 mg/kg
• CUMENE HYDROPEROXIDE
ORL MUS LDLO 5 gm/kg
ORL RAT LD50 382 mg/kg
SCU RAT LD50 382 mg/kg

Chronic toxicity: May cause sensitisation by skin contact.
Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms

12. ECOLOGICAL INFORMATION

Mobility:	Readily absorbed into soil.	Bioaccumulative potential:	No data available.
Persistence and degradability:	Biodegradable.	Other adverse effects:	No data available.
		Log Pow:	< 3.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Dispose of according to local or national legislation
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID
IMDG / IMO
IATA / ICAO.

15. REGULATORY INFORMATION

Hazard symbols: Irritant.



Risk phrases: R36/37/38: Irritating to eyes, respiratory system and skin.
R43: May cause sensitisation by skin contact.

Safety phrases: S2: Keep out of the reach of children.
S24: Avoid contact with skin.
S37: Wear suitable gloves.
S46: If swallowed, seek medical advice immediately and show this container or label.

Haz. ingredients (label): 2-HYDROXYPROPYL METHACRYLATE; 2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE; ACRYLIC ACID; CUMENE HYDROPEROXIDE

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.3: R36: Irritating to eyes.

R43: May cause sensitisation by skin contact.

R36/38: Irritating to eyes and skin.

R10: Flammable.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R35: Causes severe burns.

R50: Very toxic to aquatic organisms.

R7: May cause fire.

R21/22: Harmful in contact with skin and if swallowed.

R23: Toxic by inhalation.

R34: Causes burns.

R48/20/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.