

# SAFETY DATA SHEET

## PG304 – GEMLOCK METAL FIT 50ml

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

**Product name** PG304– GEMLOCK METAL FIT 50ml

**Company** Autogem Invicta Ltd.  
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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

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

### 3. HAZARDS IDENTIFICATION

**Hazardous ingredients:** 2-HYDROXYPROPYL METHACRYLATE 50-70%

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

[Xi] R36; [Sens.] R43

• 2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE 10-30%

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

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

• 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

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

**Ingestion:** Wash out mouth with water. 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.

**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

**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. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Red

**Odour:** Characteristic odour

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Slightly soluble

**Viscosity:** Viscous

**Viscosity value:** 500cps

**Viscosity test method:** Brookfield (cps)

**Boiling point/range°C:** N/A

**Melting point/range°C:** N/A

**Flash point°C:** > 100

**Autoflammability°C:** N/A

**Vapour pressure:** 0.1 mmHg 20C

**Relative density:** 1.08

**pH:** 3 - 5

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat.

**Materials to avoid:** Strong oxidising agents. Acids.

**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

• 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.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Other adverse effects:** No data available.

## 13. DISPOSAL CONSIDERATIONS

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; 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.

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.