

Product Name  
**EXEL-25**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** EXEL-25

**Licensee Name:** Hossein Asgari

**Address** 35 Parkwood drive  
Heathwood, QLD 4110  
Australia

**Emergency Tel:** 04 3202 0025

**Telephone Number:** (07) 3372 4911

**Recommended Use:** Effect Chemical for the manufacture of bulk explosives SUN-GREEN.

## 2. HAZARDS IDENTIFICATION

### Hazard Classification

Clear, orange solution. Odorless.

Moderately toxic by ingestion.

Body tissue irritant.

Avoid all body tissue contact.

### Risk Phrase(s)\*

Health 2

Flammability 0

Reactivity 1

Exposure 1

Storage 0

\* 0 is low hazard, 3 is high hazard

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name	CAS	Proportion
Sodium Bichromate	7789-12-0	LOW
Water	7732-18-5	HIGH
Other Oxidising salts		LOW

## 4. FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.

### Inhalation:

Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

### Eye:

Immediately flush with fresh water for 15 minutes.

### External:

Wash continuously with fresh water for 15 minutes.

### Internal:

Give large quantities of water. Call a physician or poison control at once.

## 5. FIRE FIGHTING MEASURES

### Suitable Extinguishing Media

Non flammable liquid.

## 6. ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area and ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Have emergency equipment (for spills, leaks, etc.) readily available. Wear appropriate protective equipment to prevent skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet.

### Conditions for Safe Storage

Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in labelled containers. Keep containers tightly closed. Store away from water and incompatible materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, Orange solution, Odourless.

**Odour:** Not available

**Melting Point:** Not applicable

**Boiling Point:** 100 °C

**Solubility in Water:** Soluble

**Specific Gravity:** 1.02

**PH Value:** 4.0-5.0

**Vapour Pressure:** Not applicable

**Vapour Density (Air=1):** Not applicable

**Flash Point::** Not applicable

**Auto-Ignition Temperature:** Not applicable

**Flammable Limits – Lower:** Not applicable

**Flammable Limits – Upper:** Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions.

**Conditions to Avoid** Heat, direct sunlight.

**Incompatible Materials** Concentrated Acids, Alcohols, Aldehydes, Alkylene oxides, cresols, caprolactam, epychlorohydrin, organic anhydrides, glycols, phenols and reducing agents.

**Hazardous Decomposition Products** Thermal decomposition may result in the release of toxic and/or irritating fumes.

**Hazardous Polymerization** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORL-RAT LD50:** 52 mg/kg as sodium bichromate.

**IHL-RAT LC50:** Not applicable.

**SKN-RBT LD50:** Not applicable.

**Chronic Effects:** Not applicable.

**Carcinogenicity:** Not applicable.

**Acute effect:** Irritant.

## 12. ECOLOGICAL INFORMATION

**Eco toxicity:** Not yet available

**Environmental Protection:** Avoid contaminating waterways.

### 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations**

Please consult with state and local regulations. Dilute and reduce it by using aqueous solutions of sodium metabisulphite.

### 14. TRANSPORT INFORMATION

**Shipping Name:** Not regulated.

**Hazard Class:** Not applicable.

**UN Number:** Not applicable.

### 15. REGULATORY INFORMATION

Not listed

### 16. OTHER INFORMATION

Consult Sun Mining Services technicians for additional information about effect chemicals. This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Sun Mining Services makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Sun Mining Services assumes no legal responsibility for use or reliance upon this data.

**Date of preparation or last revision of MSDS**

MSDS reviewed: APRIL 2013