

1. IDENTIFICATION OF PREPARATION

Product Code and Names:

77770 – Epirok SLS (Component C)

Chemical Name:

Silicon Dioxide, Barium Sulphate.

Identification of Company:

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Amount	CAS Number
Hydrated Magnesium Silicate	>70%	14807-96-6
Silicon Dioxide	<30%	7631-86-9

3. HAZARDS IDENTIFICATION

- Low to moderate hazard.
- Inhalation of material could be harmful.
- Run-off from fire control could cause pollution.

Potential Health Effects:

Inhalation:

Acute Exposure: No data available.
Chronic Exposure: Prolonged or repeated inhalation may cause baritosis, a benign pneumoconiosis, with some signs of chronic bronchial irritation.

4. FIRST AID MEASURES

General:	Move exposed person to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.
Skin contact:	Remove & isolate contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains. Get medical attention immediately. <u>Acute Exposure:</u> No data available. <u>Chronic Exposure:</u> No data available.
Eye contact:	Wash eyes immediately with large amounts of water or normal saline for 20 minutes. Hold eyelids open while washing. Get medical attention immediately. <u>Acute Exposure:</u> May cause irritation. <u>Chronic Exposure:</u> No data available.
Inhalation:	Move victim to fresh air. If not breathing give artificial respiration. If breathing of victim is difficult, administer oxygen for a maximum period of one hour, until medical assistance arrives.
Ingestion:	Seek medical treatment. <u>Acute Exposure:</u> Considered to be relatively non-toxic due to non-absorption, but ingestion of the suspension may cause constipation and possible impaction. Aspiration may occur with vomiting and lead to pneumonitis. The greatest hazard is the possibility of contamination with soluble barium compounds which could result in severe gastrointestinal symptoms, cardio irregularities, tremors, twitching, convulsions, paralysis and death. <u>Chronic Exposure:</u> No data available. Induce vomiting immediately when soluble barium compounds are ingested. Treat supportively and symptomatically. Get medical attention immediately.
Antidote:	The following antidote has been recommended. However, the decision as to whether the severity of poisoning requires administration of any antidote and actual dose required should be made by qualified medical personnel. <u>Poisoning from Barium compounds:</u> Give 30 grams of sodium sulphate in 250 ml of water orally and repeat in one hour. Give by gastric tube if symptoms have appeared. The administration of sulphate salts intravenously is hazardous, since they induce the prescription of barium sulphate in the kidney, with subsequent renal failure. Administration of potassium is critical. Antidote should only be administered by qualified medical personnel.

5. FIRE FIGHTING MEASURES

Small fires:	Dry chemical, CO ₂ , water spray or regular foam.
Large fires:	Water spray, fog or regular foam.
Special protective Equipment for fire-fighters:	Any self-contained breathing apparatus that has a full face piece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full face-piece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.
Protective Clothing:	Employee must wear appropriate protective clothing and equipment to prevent repeated or prolonged skin contact with this substance. Gloves: Employee must wear appropriate protective gloves to prevent contact with this substance. Eye Protection: Employee must wear splash proof or dust-resistant safety goggles to prevent eye contact with this substance.
Emergency Eye wash:	Where there is any possibility that an employee's eyes may be exposed to this substance, the employee should provide an eye wash fountain within the immediate work area for emergency use.
	<ul style="list-style-type: none"> • Move containers from the fire area if you can do it without risk. • Do not scatter spilled material with high pressure water streams. • Dike fire-control water for later disposal. • Fire involving Tanks: Cool containers with flooding quantities of water until well after the fire is out. • Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. • Always stay away from the end of tanks. • Isolate spill or leak area immediately for at least 10 to 25 metres (30 to 80 feet) in all directions. • Keep unauthorized personnel away. Stay upwind. • Wear positive pressure self-contained breathing apparatus (SCBA). • Structural fire-fighters' protective clothing will only provide limited protection. • If Road or rail tanker is involved in a fire, isolate for 800 metres (½ mile) in all directions; also, consider initial evacuation for 800 metres (½ mile) in all directions.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	<ul style="list-style-type: none"> • Restrict access to the area.
Methods for cleaning Up (spills):	<ul style="list-style-type: none"> • Do not touch or walk through spilled material. • Stop leak if you can do it without risk. • Prevent dust cloud. • Avoid inhalation of asbestos dust. • Contain (avoid spillage from entering drains or water courses). <p><u>Small dry spills:</u> With clean shovel place material into a clean, dry container and cover loosely; move all containers from spill area.</p> <p><u>Small spills:</u> Take up with sand or other non-combustible absorbent material and place into containers for later disposal.</p> <p><u>Large spills:</u> Dike far ahead of liquid spill for later disposal. Cover powder spill with plastic sheet or tarp to minimize spreading. Prevent entry into waterways, sewers, basements or confined areas.</p>

7. HANDLING AND STORAGE

Storage:	Storage in the same room or space is prohibited with the following classes: Explosives. The rooms or spaces should be at least 10 metre apart.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupation Exposure Limits:	
<ul style="list-style-type: none"> No Exposure Limits Established. 	
Engineering Controls:	
<ul style="list-style-type: none"> The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside. Supply sufficient replacement air to make up for air removed. Have a safety shower / eye wash fountain readily available in the immediate work area. 	
Personal Protection:	
<ul style="list-style-type: none"> If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment, including chemical safety goggles & face shield, boots, imperious gloves, coveralls and respiratory protection. Have appropriate equipment available for use in emergencies. 	

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white powder.
Density:	1.296 – 1.396 g/cm ³ .
Violent reactions:	With Fluoride.

10. STABILITY AND REACTIVITY

Incompatibility (Materials to avoid):	Avoid contact with acid.
Conditions to avoid:	N/A.
Other:	N/A.

11. TOXICOLOGICAL INFORMATION

<ul style="list-style-type: none"> Inhalation of material may be harmful. Contact may cause irritation to eyes.

12. ECOLOGICAL INFORMATION

<ul style="list-style-type: none"> No ecological problems are expected when the product is handled and used with due care.

13. DISPOSAL CONSIDERATIONS

Disposal Method (Product):	There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.
Disposal Method (Packaging):	Disposal in accordance with local regulations.

14. TRANSPORT INFORMATION

ERG No.:	171.
EAC:	11.
Hazchem Code:	2xe.
IMDG-Shipping Name:	NOT CONTROLLED SUBSTANCE.
IMDG Code:	000000.
Marine Pollutant:	Yes.
Class:	Class: 9 Miscellaneous Group: III.
Subsidiary Risks:	None.
Tremcard Number:	**** .

15. REGULATORY INFORMATION

EEC Hazard Classification:	9.
Risk Phases:	****
Safety Phases:	****
National Legislation:	Not regulated.

16. OTHER INFORMATION

The products should not be used for purposes other than those shown on the manufacturer's product labels and technical data sheets. As the specific conditions of use are outside the supplier's control; the user is responsible for ensuring compliance with the relevant legislation in the territory of use.

The information contained in this Material Safety Data Sheet, is based on the current state of knowledge and current state of Legislation. It provides guidance on Health Safety and Environmental aspects of the products, and should not be taken as a guarantee of technical performance or suitability for particular applications.

Approved by:	J. Carey - Group Technical Director.
Approval date:	07/11/2011
Supersedes:	22/10/2010
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