

DATE: June 26, 2009

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS NAME : SO-62 RED

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	%	EINECS#
2786-76-7	C.I. Pigment RED 170	11-13	220-509-3
25322-69-4	Polyoxy propylene glycol	<88	Polymer provision
Hazard Symbols: Xi Irritant			
Risk Phrases: R36			

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Appearance: Red liquid

Warning! Causes respiratory tract irritation. May cause digestive tract irritation. Causes eye and skin irritation.

Target Organs: No data found.

Potential Health Effects

Eye:

May cause moderately severe irritation such as pain.

Skin:

May cause irritation.

Ingestion:

Not valuable information.

Inhalation:

Not valuable information.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Treat symptomatically and supportively.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition Temperature: Not available.

Flash Point: >215 (Polyoxy propylene glycol), 117 (Diethylene glycol mono butyl ether)

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

Storage:

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH
Polyoxy propylene glycol	No listed

NIOSH	OSHA - Final PELs
No listed	No listed

OSHA Vacated PELs:

Polyoxy propylene glycol: No listed.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: Liquid
Appearance: Red
Odor: Slightly Characteristic Odor.
pH: Not available.
Vapor Pressure: Not measured
Vapor Density: Not measured
Evaporation Rate: Not measured
Viscosity: 2200-3000 mPa.s(at 20°C)
Boiling Point: Not measured
Freezing/Melting Point: <-30°C
Decomposition Temperature: Not determined
Solubility in water: insoluble
Specific Gravity/Density: 1.0

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:

Stable under normal temperatures and pressures. Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid:

Incompatible materials, dust generation, excess heat, strong oxidants.

Incompatibilities with Other Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

LD50/LC50:

LD50:2410mg/kg(oral rat) (Polyoxy propylene glycol)

Carcinogenicity:

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology:

No information available.

Teratogenicity:

No information available.

Reproductive Effects:
No information available.
Neurotoxicity:
No information available.
Mutagenicity:
No information available.
Other Studies:
No information available.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Not valuable information.

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate.

**** SECTION 14 - TRANSPORT INFORMATION ****

Railway & Road: RID/ADR Class: Free
UN No: Free
Air: ICAO Class: Free
Sea: IMDG Class: Free
UN No: Free

**** SECTION 15 - REGULATORY INFORMATION ****

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: Xi
Risk Phrases:
R 36/38 Irritating to eyes, respiratory system and skin.
Safety Phrases:
S 24/25 Avoid contact with skin and eyes.

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: Aug 31, 2006

Revision Date: June 26, 2009

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