

MATERIAL SAFETY DATA SHEET

| | |
|--------------|---------------------|
| Flammability | Reactivity |
| Health | Personal Protection |

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name S774 Liquid Steam Emulsifier
Manufacturer Crown Chemical Products Inc. **Supplier's Name**
Street Address 6125 Netherhart Road **Supplier's Address**

Emergency Tel. (905) 564-0904
Chemical Name **Chemical Family**
Molecular Weight **Material Use** Carpet Cleaner

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

| Hazardous Ingredients | Approximate Concentration % | C.A.S. N.A. or U. N. Numbers | Exposure Limits | LD ₅₀ /LC ₅₀ Specify Species and Route |
|-------------------------|-----------------------------|------------------------------|-------------------------|--|
| Sodium Xylene Sulfonate | 5 | | N/AV | N/AV |
| 2-Butoxyethanol | 5 | 111-76-2 | TLV=25ppm Skin, (ACGIH) | LD ₅₀ Oral=1480 (Rat) mg/kg LC ₅₀ =450ppm/4hr (Rat) |

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State Liquid **Odour and Appearance** Floral odour, blue
Specific Gravity 1.03 **Evaporation Rate** N/AV **Boiling Point (°C)** 100
Freezing Point (°C) N/AV **Solubility in Water (20°C)** completely **% Volatile (by volume)** N/AV
pH 12.0 **Density (g/ml)** 1.03 **Coefficient of Water/Oil Distribution** N/AV

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability (If yes, under which conditions:) No
Means of Extinction N/AP
Special Procedures No special procedures.
Flashpoint (°C) and Method N/AP **UEL (% By Vol.)** N/AP **LEL (% By Vol.)** N/AP
Auto Ignition Temp. (°C) N/AP **TDG Flammability Classification** Not classified
Hazardous Combustion Products None
Explosion Data - Sensitivity to Chemical Impact **Rate of Burning** N/AP
Explosive Power N/AP **Sensitivity to Static Discharge** N/AP

SECTION V - REACTIVITY DATA

Chemical Stability Yes.
Incompatibility to Other Substances Yes. Strong oxidizing agents.
Reactivity and Under What Conditions? N/AP
Hazardous Decomposition Products None

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SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route Of Entry Skin Contact Skin Absorption Eye Contact Inhalation Acute Inhalation Chronic Ingestion

Effects Of Acute Skin and eye contact causes irritation; could cause dermatitis and will cause nausea and

Exposure To Product vomiting if ingested

Effects Of Chronic None known

Exposure To Product

Irritancy Of Product N/AV

Exposure Limits Of Product N/AV

Sensitization To Product N/AV

Synergistic Materials N/AV

Carcinogenicity Reproductive Effects Teratogenicity Mutagenicity

No Known Systemic Effects

SECTION VII - PREVENTIVE MEASURES

Personal Protective Equipment

Gloves Rubber

Respiratory None necessary

Eye goggles

Footwear no special req'mt

Clothing rubber apron

Other

Engineering Controls

Leak And Spill Procedure Flush with water.

Waste Disposal Neutralize to ph .9 before disposal.

Handling Procedures And Equipment No special precaution.

Storage Requirements Store in cool place where possible.

Special Shipping Information None

SECTION VIII - FIRST AID MEASURES

Skin Wash with soap and water flush with water.

Eye Flush with water.

Inhalation N/Av

Ingestion Do not induce vomiting. Take to hospital emergency.

General Advise

SECTION IX - PREPARATION DATE OF M.S.D.S.

Additional Information/Comments Crown Chemical Products Inc. assumes no responsibility by its issuance of this information.

Sources Used

Prepared By: Crown Chemical Products Inc. **Phone Number** (905) 564-0904 **Date** May 20, 2009