

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Identity (As Used on Label and List):** Astro  
**Product Class:** Silicone oil emulsion  
**Emergency Telephone Number:** 800-255-3924  
**Telephone Number for Information:** 800-950-1975  
**Distributed By:**  
Dalco  
300 5th Ave NW  
New Brighton, Minnesota 55112

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous Components (Specific Chemical Identity):**

Chemical	Common Name(s)	%
A	Emulsified silicone oil (proprietary)	1 - 5
B	Water CAS #7732-18-5	60 - 100

## SECTION III - HAZARDS IDENTIFICATION

**Emergency Overview**  
**Appearance and Odor:** Opaque/white liquid, mild aroma.  
**Primary Hazards:** Non-hazardous in normal use.  
**Potential Health Hazards**  
**Route(s) of Entry:** Skin Absorption: Ingestion: X Inhalation:  
**Eye:** No hazards known.  
**Skin:** No hazards known.  
**Ingestion:** No hazards known.  
**Inhalation:** No hazards known.  
**Signs and Symptoms of Exposure:** No effects expected.  
**Carcinogenicity:** NTP? No IARC Monographs? No  
**OSHA Regulated?** No  
**Target Organ (s):** No additional data  
**Medical Conditions Generally Aggravated by Exposure:** N. Av.  
**Health Hazards, Chronic:** N. Av.

## SECTION IV - FIRST AID MEASURES

**Emergency and First Aid Procedures:**  
**If Swallowed:** Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. **Eye Contact:** Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. **Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.  
**Sources Used:** Raw material data, general toxicology from the trade for similar products.

## SECTION V - FIRE FIGHTING MEASURES

**Flammability:** No **Autoignition Temperature:** N. Av.  
**Flash Point (method used):** None  
**Flammable Limits:** N. Av. LEL UEL  
**Extinguishing Media:** N. Av.  
**Water?** **Foam?** **Water Fog?**  
**Alcohol Foam?** **CO<sub>2</sub>?** **Dry Chemical?**  
**Vaporizing Liquid?** **Other?**  
**Special Fire Fighting Procedures:** N. Av.  
**Unusual Fire and Explosion Hazards:** N. Av.  
**TDG Flammability Classification:** Non-flammable  
**Sensitivity to Mechanical Impact:** None  
**Sensitivity to Static Discharge:** None

## SECTION VI - ACCIDENTAL RELEASE MEASURES

**Steps to be Taken in Case Material is Released or Spilled:**  
Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

## SECTION VII - HANDLING AND STORAGE

**Precautions to be Taken in Handling and Storing:**  
Normal care in handling and storage.  
**Other Precautions:** Keep out of reach of children. Keep from freezing.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection (Specify Types):** Not required  
**Ventilation:** **Local Exhaust:** Not required **Special:** Not required  
**Mechanical (General):** Normal good ventilation sufficient.  
**Other:** Not required  
**Protective Gloves:** Natural rubber or synthetic.  
**Eye Protection:** Approved safety goggles or glasses. **Footwear:** Not required  
**Other Protective Clothing or Equipment:** Not required  
**Work/Hygienic Practices:** Do not contaminate food or beverages with cleaning chemicals.

## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** Approximately 212°F (100°C) **pH:** 8 - 9  
**Specific Gravity (H<sub>2</sub>O) = 1:** 1.00 **% Volatile:** > 90  
**Vapor Density (Air = 1):** N. Av. **Odor Threshold:** N. Av.  
**Evaporation Rate (Butyl Acetate = 1):** N. Av. **Oil/Water Distribution Coefficient:** N. Av.  
**Solubility in Water:** Complete  
**Vapor Pressure (MM HG):** N. Av.  
**Melting Point:** N. Ap.

## SECTION X - STABILITY AND REACTIVITY

**Stability:** **Unstable:** **Stable:** X  
**Conditions to Avoid:** N. Av.  
**Incompatibility (materials to avoid):** N. Av.  
**Hazardous Decomposition or By-products:** N. Av.  
**Hazardous Polymerization:** **May occur:** **Will not occur:** X  
**Conditions to Avoid:** N. Av.

## SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	None	None	N. Av.	N. Av.	N. Av.
B	None	None	N. Av.	N. Av.	N. Av.

**Teratogen, Mutagen, Reproductive Toxin Status:** No  
**Toxicologically Synergistic Products:** N. Av.

## SECTION XII - ECOLOGICAL INFORMATION

**Biodegradation Properties:** N. Av.  
**Ecotoxicological Information:** N. Av.  
**Chemical Fate Information:** N. Av.

## SECTION XIII - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:**  
Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.  
**RCRA Hazard Class:** None

## SECTION XIV - TRANSPORT INFORMATION

**Shipping Classification:** Compound, cleaning liquid, N.O.I.  
**UN Number:** N. Av.  
**Packing Group:** N. Av.

## SECTION XV - PREPARATION DATA

**Prepared By:** James Tracy  
**Telephone Number:** 651-481-1900  
**Date:** 1/02

## SECTION XVI - REGULATORY INFORMATION

**US Federal Regulations**  
**TSCA Status:** All ingredients listed.  
**CERCLA Reportable Quality:** None  
**SARA Title III**  
**Section 302 Extremely Hazardous Chemicals:** None  
**Section 311/312 Hazard Category:** None  
**Section 313 Toxic Chemicals:** None  
**State Regulations**  
**NOTICE STATE OF CALIFORNIA**  
Warning: This product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product.  
**International Regulations**  
WHMIS Controlled Product Hazard Class: N. Av.

## SECTION XVII - OTHER INFORMATION

None

N. Av. - Not Applicable; N. Av. - Not Available

## NFPA SYSTEM

  1   A. Health Hazard        0   A. Fire Hazard        0   A. Reactivity Hazard

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