

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Code 47111302
Trade Name SOLDERON SC SECONDARY
Manufacturer/Supplier Shipley Company
Address 455 Forest St.
Marlborough, Massachusetts 01752
Phone Number (508) 481-7950
Emergency Phone Number (508) 481-7950
Chemtec # (800) 424-9300
MSDS first issued 28 September 1999
MSDS data revised
Prepared By: Environmental, Health & Safety Department
Local Sales Company Shipley Company, 455 Forest Street, Marlboro, MA 01752
(508-481-7950)

2. COMPOSITION/INFORMATION ON THE INGREDIENTS

Components without CAS numbers are Trade Secret

Table with 3 columns: Component Name, CAS# / Codes, Concentration. Row 1: Glycol, > 95.00

3. HAZARD IDENTIFICATION

Main Hazards - Irritant - Respiratory System - Skin - Eye - Nervous System
Routes of Entry Inhalation, ingestion, eye and skin contact, absorption.
Carcinogenic Status Not considered carcinogenic by NTP, IARC and OSHA
Target Organs - Eye - Skin - Respiratory System - Nervous System
Health Effects - Eyes Liquid, mist or vapor may cause conjunctival irritation and transient corneal damage.
Health Effects - Skin Material may cause irritation. Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis. Can be absorbed through the skin, but exposure must be severe before health effects are expected.
Health Effects - Ingestion Swallowing may have the following effects:
- irritation of mouth, throat and digestive tract - nausea - vomiting - diarrhea
Repeated doses may have the following effects:
- damage to the central nervous system
Health Effects - Inhalation Exposure to vapor at high concentrations may have the following effects:
- irritation of nose, throat and respiratory tract - central nervous system depression - headache - nausea - vomiting

4. FIRST AID MEASURES

First Aid - Eyes Immediately flush the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
First Aid - Skin Wash skin with water. Continue washing for at least 15 minutes. Obtain medical attention if blistering occurs or redness persists.
First Aid - Ingestion Wash out mouth with water. Have victim drink 1-3 glasses of water to dilute stomach contents. Induce vomiting. Obtain medical attention.
First Aid - Inhalation Remove from exposure. If there is difficulty in breathing, give oxygen. Obtain medical attention immediately
Advice to Physicians Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media Not readily combustible. Select extinguishing agent appropriate to other materials involved.
Special Fire-Fighting Procedures This product may give rise to hazardous vapors in a fire.
Unusual Fire & Explosion Hazards None.
Protective Equipment for Fire-Fighting Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures Contain and absorb using earth, sand or other inert material.
Personal Precautions Wear appropriate protective clothing.
Environmental Precautions Prevent the material from entering drains or water courses. Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

7. HANDLING AND STORAGE

Handling Use in well ventilated area. Avoid inhaling vapor. Avoid contact with eyes, skin and clothing.
Storage Store in original containers. Storage area should be:
- cool - dry - well ventilated - out of direct sunlight

Other

None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

Glycol None assigned.
Engineering Control Measures Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (local exhaust), and control of process conditions.
Respiratory Protection Respiratory protection not normally required. The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.
Hand Protection Butyl rubber or nitrile gloves. Other chemical resistant gloves may be recommended by your safety professional.
Eye Protection Chemical goggles.
Body Protection Normal work wear.

9.	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>	
	<b>Physical State</b>	Liquid
	<b>Color</b>	Clear Dark Blue - Black
	<b>Odor</b>	Mild
	<b>VOC (g/l)</b>	1011
	<b>Specific Gravity</b>	1.034-1.042
	<b>pH</b>	5.0-6.0
	<b>Boiling Range/Point (°C/F)</b>	Not determined.
	<b>Flash Point (PMCC) (°C/F)</b>	>100 / >212
	<b>Explosion Limits (%)</b>	Not applicable.
	<b>Solubility in Water</b>	Completely soluble.
	<b>Vapor Density (Air = 1)</b>	Heavier than air.
	<b>Evaporation Rate</b>	Slower than ether
	<b>Vapor Pressure</b>	Equivalent to water.
10.	<b>STABILITY AND REACTIVITY</b>	
	<b>Stability</b>	Stable under normal conditions.
	<b>Conditions to Avoid</b>	- contact with incompatible materials - Exposure to direct sunlight - heat
	<b>Incompatibilities</b>	- Strong oxidizing agents - Reducing agents - Strong acids - Strong bases
	<b>Hazardous Polymerization</b>	Will not occur.
	<b>Hazardous Decomposition Products</b>	- carbon monoxide - Carbon Dioxide
11.	<b>TOXICOLOGICAL INFORMATION</b>	
	<b>Acute Data</b>	Glycol: Oral LD50 (rat) 2000-3400mg/kg.
	<b>Chronic/Subchronic Data</b>	No relevant studies identified.
	<b>Genotoxicity</b>	No relevant studies identified.
	<b>Reproductive/Developmental Toxicity</b>	No relevant studies identified.
	<b>Additional Data</b>	None.
12.	<b>ECOLOGICAL INFORMATION</b>	
	<b>Mobility</b>	The product will dissolve rapidly in water. The product is poorly absorbed onto soils or sediments. The product will leach into soil.
	<b>Persistence/Degradability</b>	No relevant studies identified.
	<b>Bio-accumulation</b>	No relevant studies identified.
	<b>Ecotoxicity</b>	The product may be harmful to aquatic organisms.
13.	<b>DISPOSAL CONSIDERATIONS</b>	
	<b>Product Disposal</b>	This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the product's user to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because the product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.
	<b>Container Disposal</b>	Labels should not be removed from containers until they have been cleaned. Empty containers may contain hazardous residues. Dispose of containers with care.
14.	<b>TRANSPORT INFORMATION</b>	
	<b>DOT Ground:</b>	Not Regulated
	<b>UN Proper Shipping Name</b>	Not Regulated
	<b>UN Class</b>	None.
	<b>UN Number</b>	None
	<b>UN Packaging Group</b>	None.
	<b>N.O.S. 1:</b>	Not applicable.
	<b>N.O.S. 2:</b>	Not applicable.
	<b>Subsidiary Risks</b>	None.
	<b>ADR/RID Substance Identification Number</b>	None assigned.
	<b>CERCLA RQ</b>	None.
	<b>Marine Pollutant</b>	None.
15.	<b>REGULATORY INFORMATION</b>	
	<b>TSCA Listed</b>	All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50. This product is not subject to a Section 5(e) Consent Order or Significant New Use Rule (SNUR).
	<b>TSCA Exemptions</b>	
	<b>TSCA Sec.12(b) Export Notification</b>	This product does not contain any substances subject to Section 12(b) export notification.
	<b>WHMIS Classification</b>	D.2.B
	<b>MA Right To Know Law</b>	All components have been checked for inclusion on the Massachusetts Substance List (MSL). Those components present at the de minimus concentration have been identified in the hazardous ingredients section of the MSDS.
	<b>California Proposition 65</b>	This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.
	<b>SARA TITLE III-Section 311/312 Categorization (40 CFR 370)</b>	Immediate health hazard
	<b>SARA TITLE III-Section 313 (40 CFR 372)</b>	This product does not contain a chemical which is listed in Section 313 at or above de minimus concentrations.
16.	<b>OTHER INFORMATION</b>	
	<b>NFPA Rating- FIRE</b>	1
	<b>NFPA Rating- HEALTH</b>	2
	<b>NFPA Rating- REACTIVITY</b>	0
	<b>NFPA Rating- SPECIAL</b>	None.

**Revisions Highlighted**

**Abbreviations**

N/A: Denotes no applicable information was found.

CAS#: Chemical Abstract Services Number

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

R: Risk

S: Safety

LD50: Lethal Dose 50%

LC50: Lethal Concentration 50%

BOD: Biological Oxygen Demand

Koc: Soil Organic Carbon Partition Coefficient.

TLm: Median Tolerance Limit

**Disclaimer**

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