

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form) H F R P
Form Approved 3 3 0 B
OMB No. 1218-0072 HMIS



IDENTITY (As Used on Label and List)
JUSTRITE GROCERY MARKING INK - RED

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name LOUIS MELIND COMPANY	Emergency Telephone Number (815) 268 - 7201
Address (Number, Street, City, State, and ZIP Code) 3524 N. Clark Street Chicago, IL 60657	Telephone Number for Information (815) 268 - 7201
	Date Prepared September 8, 1989
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
BUTYL CELLOSOLVE CAS # 111762	50 PPM skin	25 PPM skin		
ISOPROPHYL ALCOHOL CAS # 67630		400 PPM		
SHELLAC(DRY) CAS # 9090593		NOT ESTABLISHED		
BASIC YELLOW 37 CAS # 6358367		NOT ESTABLISHED		
BASIC VIOLET 10 CAS # 81889		NOT ESTABLISHED		

Section III - Physical/Chemical Characteristics

Boiling Point	340° F	Specific Gravity (H ₂ O = 1)	.897 @ 25/25C
Vapor Pressure (mm Hg.) 0.88 mmHg @ 25C		Melting Point	NA
Vapor Density (AIR = 1) 4.10		Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water Partial			
Appearance and Odor Red liquid with mild odor			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) 150° F. C.C.	Flammable Limits	LEL 1.1	UEL 10.6
Extinguishing Media Alcohol foam, CO ₂ , Dry chemical			
Special Fire Fighting Procedures Wear positive pressure, self contained breathing apparatus.			

Unusual Fire and Explosion Hazards

Auto ignition temperature is 471° F.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid Prevent contact with zinc, magnesuim, & galvanized metal.
	Stable	X	

Incompatibility (Materials to Avoid)

Oxidizing materials

Hazardous Decomposition or Byproducts

When heated decomp. it emits acrid smoke & irr fumes.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry LC 50 Inhalation? LD 50 skin absorption? LD 50 oral rats
 rats is 700 PPM for 7 hrs. rbts. is 220 mg/kg is 470 mg/kg

Health Hazards (Acute and Chronic)

May cause moderate eye irritation. Vapors may irritate eyes. Prolonged or repeated exposure may cause skin irritation. Repeated minor exposure may result in absorption of harmful ampur Single dose oral toxicity is moderate. A single prolonged (hours) excessive inhalation, exposure may cause adverse effects.

Carcinogenicity	NTP? not listed	IARC Monographs? NOT LISTED	OSHA Regulated? NOT LISTED
-----------------	--------------------	--------------------------------	-------------------------------

Signs and Symptoms of Exposure Observations in animals included blood, kidney, lung & liver effects. Exposure having no effects on the mother should have no effects on the fetus. Did not cause birth defects in animals, other effects seen in the fetus only at doses which have toxic effects to the mother. Testicular atrophy hasn't been observed with other routes of exposure.

Medical Conditions May cause moderate corneal injury. Effects slow to heal. Excessive exposure may Generally Aggravated by Exposure cause hemolysis thereby impairing the bloods ability to transport oxygen Ingestion of large amounts may cause injury. Excessive exposure may cause irritation to the upper respiratory tract.

Emergency and First Aid Procedures Irrigate eyes with flowing water immediately & continuously for 15 min Consult medical personnel. Immediately flush skin with water for 15 min. while removing contaminated clothes & shoes. Call physician if irritation persists. Induce vomiting if large amounts are ingested. Consult medical personnel. For inhalation remove to fresh air if breathing difficult give oxygen. Call a physician.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
 Eliminate all ignition sources. Add absorbent material & remove with rubber shovel & put into a waste barrel.

Waste Disposal Method
 Dispose of in accordance with all local, state, & federal regulations.

Precautions to Be Taken in Handling and Storing
 Keep containers tightly closed when not in use. Keep away from heat, sparks, or other source of ignition.

Other Precautions
 Handle with care. Avoid all skin & eye contact. Wash contaminated clothes before wearing. All contaminated leather items should be destroyed. Avoid breathing fumes.

Section VIII — Control Measures

Respiratory Protection (Specify Type)
 When respiratory protection is required, use an approved air purifying respirator.

Ventilation	Local Exhaust When airborne levels above the TLV	Special
	Mechanical (General) Acceptable for most conditions.	Other

Protective Gloves Rubber	Eye Protection Chemical Goggles
-----------------------------	------------------------------------

Other Protective Clothing or Equipment
 As necessary to prevent repeated or prolonged skin contact.

Work/Hygenic Practices
 Wash hands with soap & water after handling. Reasonable care and caution.

This information is given without warranty, Page 2 representation, inducement or license of any kind. We assume no legal responsibility for use or reliance upon same. It is the user's obligation to determine the conditions of safe use of the product.