

LOVESHAW

an ITW Company



U.S. Material Safety Data Sheet European Safety Data Sheet

Date: February 2, 2009

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Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: JET PRINTER INK Telephone: 1-570-937-4921
Manufacturer: LOVESHAW an ITW Company Facsimile: 1-570-937-3229
Route 296 Box 83
South Canaan, PA 18459

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

NAME	CAS#	%	CARCINOGEN AIRC NTP OSHA	ACGIH TLV	OSHA PEL	SYMBOL	R-PHASE
DPM GLYCOL ETHER	34590-94-8	3.5	NO NO NO	110 ppm	110 ppm	NONE	NONE
VERSENE	60-00-4		NO NO NO			NONE	NONE
SURFACTANT	37281-47-3		NO NO NO			NONE	NONE
SPECIAL SP LIQUID	MIX		NO NO NO			NONE	NONE
MICROBICIDE	MIX		NO NO NO			NONE	NONE
WATER	7732-18-5						

Section 3: HAZARDOUS IDENTIFICATION

Health (Acute-Chronic):	1-1	RATINGS	
Flammability:	0	MINIMAL	0
Reactivity:	0	SLIGHT	1
Environment (Air-Water-Soil):	2-2-1	MODERATE	2
Special Hazards:	NA	SERIOUS	3
Protective Equipment:	Ventilation, wash facilities, gloves, goggles	SEVERE	4

Section 4: HEALTH HAZARDS - EMERGENCY AND FIRST AID PROCEDURES

Eyes: Irrigate with water for 15 minutes.
Skin: Wash with soap and water.
Ingestion: Induce vomiting.
Inhalation: Remove to fresh air.

CALL A PHYSICIAN...CONTACT A POISON CONTROL CENTER

Section 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point: GT 140 degree F closed cup
Auto Ignition Temperature: 536 degree F
Flammable Limits in Air by Volume: LEL: 1.1
UEL: 13.1
Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam, universal foam, waterspray.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus, protective clothing and equipment. Use waterspray to cool exposed equipment and protect personnel.
Unusual Fire and Explosion Hazards: Wear faceshield to protect face and eyes from contact with liquid vapor.

Jet Printer Ink 1

Section 6: ACCIDENTAL RELEASE MEASURE

When Material is Released or Spilled:	Ventilate area, contain and cover spill with absorbent, sweep up and put in chemical waste drum. Do not allow spill to enter water courses.
Waste Disposal Methods:	Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved incineration or chemical landfill waste disposal site.

Section 7: HANDLING AND STORAGE

Hygienic Practices;	Due care should be used when handling this product. Wash thoroughly after handling.
Special Precautions:	Keep container closed when not in use. Store container at room temperature. Handle in area with adequate ventilation. Empty container is not reusable.
Warning Placard:	Avoid contact with eyes. Do not take internally. Avoid intense heat.

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection:	General room ventilation satisfactory.
Skin Protection:	Chemical impervious gloves.
Eye Protection:	Splash glasses.
Other Protective Clothing or Equipment:	As needed to prevent repeated / prolonged contact.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor	Mobile Liquid with no odor.
Molecular Weight	Not applicable.
PH	Not determined.
Refractive Index @ 20 degree C	Not applicable.
Viscosity CPS @ 25 degree C	Not determined.
Freezing/Melting Point	-143 degree F
Boiling Point	250 degree F
Vapor Pressure (mm Hg @ 20 degree C)	8
Vapor Density (Air = 1)	3.1
Solubility in Water	Soluble.
Solubility in Alcohol	Not determined.
Solubility in Oil	Not determined.
Solubility in Other	Not determined.
Specific Gravity (H2O = 1)	.92
VOC	47.7 g/l
Evaporation Rate	Not determined.

Section: 10 STABILITY & REACTIVITY DATA

Stability	Stable.
Conditions to Avoid	None.
Incompatibility	Strong Oxidizing Agents.
Hazardous Decomposition Products	Carbon dioxide and carbon monoxide may be produced when burned.
Hazardous Polymerization	Will not occur.

Section 11: TOXICOLOGICAL INFORMATION

Aquatic Toxicity	Not determined.
Biodegradability	Not determined.
Partition Coefficient	Not determined.
Primary Route(s) of Entry	Dermal, inhalation, ingestion.
Signs and Symptoms of Exposure	
a. Overexposure Effects:	Slight eye irritation.
b. Chronic Effects:	Drowsiness, anesthetic effect.
1. Inhalation:	Minor respiratory irritation.
2. Eyes:	Minor irritation from vapor and contact.
3. Skin:	Mild irritation on sensitive skin.

4. Ingestion: May be toxic if swallowed.
5. Medical Conditions Potentially Aggravated: Pre-existing skin conditions, upper respiratory tract infection.
Vapors may irritate eyes, drowsiness from skin absorption.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicological Information No data available.
Chemical Fate Information No data available.

Section 13: DISPOSAL CONSIDERATIONS

Dispose of according to appropriate local, regional and national laws or regulations. Do not reuse containers
Dispose of absorbed material at approved incineration or chemical landfill waste disposal site.

Section 14: TRANSPORT INFORMATION (Not meant to be all inclusive)

Ground Transport Not regulated.
Air Transport Not regulated.
Ocean Transport Not regulated.

Section 15: REGULATORY INFORMATION (Not meant to be all inclusive)

OSHA Regulations If respirator used, 29 CFR 1900.134
DOT Regulations NA
EPA Regulations NA
IMO Hazard Class #: NA
Hazard Classification: NA
DOT Name: NA
Shipping Instructions: NA

Section 16: OTHER INFORMATION

The hazards listed on this MSDS are taken from the MSDS for each of the ingredients in this mixture. In most cases the maximum form of hazard is represented here. The TLV's represent the conditions under which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effects. It must be remembered that each individual reacts differently and some may experience discomfort while others do not. This MSDS is presented so that each individual will have the information to deal safely with the use of this product.

DISCLAIMER OF LIABILITY:

AS THE CONDITIONS OR METHODS OF USE ARE BEYOND OUR CONTROL, WE DO NOT ASSURE ANY RESPONSIBILITY AND EXPRESSLY DISCLAIM ALL LIABILITY FOR ANY USE OF THIS MATERIAL. INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH AND BELIEVED TO BE TRUE AND ACCURATE, BUT ALL STATEMENTS OR SUGGESTIONS ARE MADE WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THE INFORMATION, THE HAZARDS CONNECTED WITH THE USE OF THE MATERIAL OR RESULTS TO BE OBTAINED FROM THE USE THEREOF. INFORMATION ON MSDS SUPPLIED BY INK MANUFACTURER.

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PROJECT ENGINEER
MARKING and CODING PRODUCTS
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