Imtran

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MATERIAL SAFETY DATA SHEET

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name **IM-300 Ink**

Version Number 1

MSDS Number 003

Distributor Imtran
39 Shelley Road
Haverhill, MA 01835 USA

Telephone Numbers - 24 Hour Emergency Assistance

Emergency (800) 424-9300

Telephone Numbers - General Assistance

Information (978) 372-3443

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Concentration	Exposure Limits / Health Hazards
BISPHENOL-A-EPOXIRESIN	25068-38-6	30 - 40 %	ND
CYCLOHEXANONE	108-94-1	5 - 10 %	OSHA PEL: 50ppm; ACGIH TLV: 25ppm
DIACETONE ALCOHOL	123-42-2	5 - 10 %	OSHA PEL: 50ppm ACGIH TLV: 50ppm
BUTYLGLYCOLATE	7397-62-8	5 - 10 %	ND
SOLVENT NAPHTHA 150	64742-94-5	5 - 10 %	ND

3 HAZARDS IDENTIFICATION

Signs & Symptoms of Short-Term (Acute) Exposure

Excessive vapor concentration in air, especially in confined spaces, may cause asphyxiation. Excessive inhalation of vapors can cause nasal, throat and respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Eye contact causes irritation, redness, tearing, blurred vision. Eye contact with liquid or vapor causes severe irritation, redness, tearing, blurred vision. Vapors may cause severe eye irritation, redness, tearing and blurred vision. Prolonged skin contact may lead to extraction of natural oils with resultant dry skin, cracking, irritation and determatitis. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Notice: intentional misuse by deliberately concentrating and inhaling the contents maybe harmful or fatal.

Effects of Long-Term (Chronic) Exposure

Health studies have shown that many solvents pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids and vapors should be minimized. Prolonged or continuous inhalation of vapors may result in delayed lung damage. Repeated or prolonged inhalation of vapor may cause liver and kidney damage. Repeated inhalation of vapor in high concentration can change the blood picture.

4 FIRST AID MEASURES

Skin

Wash skin with plenty of soap and water.

Eye

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing.

Inhalation

Remove to fresh air. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen.

Ingestion

Do not induce vomiting and seek immediate medical attention. Do not drink water, milk or oil.

5 FIRE FIGHTING MEASURES

Flash Point	43 C
Flammability Limits in Air, Lower, % by Volume	0.8

6 ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedure

Remove all sources of ignition, avoid breathing vapors, ventilate area, remove with liquid binding material.

7 HANDLING & STORAGE

Storage

Store containers out of sun and away from heat, sparks and open flames, close containers after each use.

Ventilation

Adequate ventilation is required. See your safety equipment supplier for evaluation and recommendation. Provide ventilation to keep vapor concentration below the given tlv.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Personal Protection Equipments (PPE)

Use safety glasses designed to protect against splash of liquids. Eyewash stations and safety showers should be readily available in use and handling area.

Skin Protection: Personal Protection Equipments (PPE)

Wash hands with soap and water after handling this product.

General

Work/hygenic practices: wash thoroughly after handling. Do not keep food, drinks tobaccos at the working place. Liquid may penetrate shoes and leather causing delayed irritation.

9 PHYSICAL & CHEMICAL PROPERTIES

Boiling Point	155 C
Specific Gravity	1
Percent Volatile	30 - 40 % By Volume
Vapor Pressure	Heavier
Evaporation Rate	Slower
Vapor Density	Heavier
Solubility In Water	ND

10 STABILITY & REACTIVITY

Stability/Incompatibility

Stable under conditions of normal use.

Hazardous Reactions/Decomposition Products

Carbon monoxide, carbon dioxide, smoke, oxides of nitrogen. Exposure to decomposition products may cause a health hazard.

Hazardous Polymerization

Will not occur

11 TOXICOLOGICAL INFORMATION

Routes of Exposure

Inhalation, ingestion, skin and eye contact.

12 ECOLOGICAL INFORMATION

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Incinerate in an approved facility, do not incinerate closed containers. Dispose of in accordance with federal, state, and local pollution control requirements.

14 TRANSPORT INFORMATION

Department of Transportation (DOT) Requirements:

General Transportation Information for Bulk Shipments

Proper Shipping Name	Printing Ink		
Hazard Class	3	UN/NA Code	1210
Packaging Group	Class III		
Labels Required	Flammable Liquid		

15 REGULATORY INFORMATION

NFPA Ratings

Health	Flammability	Reactivity	Special Hazards

HMIS Ratings

Health	1	Flammability	2	Reactivity	1	Personal Prot. Equip.	B

Following ingredients of this product are listed in SARA313

SARA Listed Ingredient Name	CAS Number	Maximum %
CYCLOHEXANONE	108-94-1	

Listed on the following Regulatory List(s)

SARA 313

16 OTHER INFORMATION

Disclaimer

The information and recommendations contained herein are believed to be reliable and accurate based on the data available to ITW Imtran. However, we make no warranty, expressed or implied, regarding the accuracy of this data or the results obtained from the use of this product.

Completed On 11/18/02

Completed By Chris Sobaszek