

MATERIAL SAFETY DATA SHEET

Lawson ID-320

1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: ID-320 Graphic Ink Degradent

Emergency Phone: CHEMTREC 1-800-424-9300

General Information: 314-382-9300

Manufactured for: Lawson Screen Products, Inc. 5110 Penrose Street Saint Louis MO 63115

Product Code: 195-7732

MSDS Date: June 1, 2006

2: COMPOSITION, INFORMATION ON INGREDIENTS

Component	Amount %	CAS #	OSHA PEL	OSHA STEL	ACGIH TLV	ACGIH STEL
Limonene	10 - 30	5989-27-5	100 ppm	NE	300	NE
2-methoxy methyl ethoxy propanol	10 - 30	34590-94-8	100		100	
n-Methyl-2-Pyrrolidone	10 - 30	872-50-4	100		100	

3: HAZARDS IDENTIFICATION

EMERGENCY RESPONSE INFORMATION

HAZARDS, HMIS/NFPA: Toxicity=1, Fire=2, Reactivity=0

Warning! Combustible liquid and vapor. Harmful if inhaled. High vapor concentrations may cause dizziness. Pulmonary aspiration hazard: can enter lungs and cause damage.

HEALTH EFFECTS FROM OVEREXPOSURE

Eye Contact: Direct contact with material can cause severe irritation, pain and transient corneal injury.

Skin Contact: May cause irritation with prolonged or repeated contact. Removes natural oil and fat from skin.

Inhalation: Inhalation of mist or spray can cause irritation to nose, throat and lungs, and higher concentrations may cause headaches, nausea, dizziness, drowsiness and other central nervous system effects.

Ingestion: This material is of a low order of toxicity. It may cause headache, dizziness, gastrointestinal distress.

4: FIRST AID MEASURES

Inhalation: Remove subject to fresh air. If not breathing, give artificial respiration. Obtain medical assistance.

Eye Contact: Immediately flush eyes with a large amount of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Remove contact lenses if worn. Consult a physician.

Skin Contact: Wash affected skin areas thoroughly with soap and water for 15 minutes until no odor remains. If redness or swelling develops, consult a physician. Immediately remove contaminated clothing and wash before reuse.

Ingestion: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Have person drink several glasses of water. Do not induce vomiting. Keep airway clear. Keep subject at rest. Obtain Emergency Medical Attention.

5: FIRE FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES:

Flash Point: 114°F TCC = 45.5°C

Auto-ignition Temperature: 518°F = 270°C Estimated

Lower Explosion Limit: 0.7 % Volume Estimated

Upper Explosion Limit: 14.0 % Volume Estimated

Unusual Hazards: Combustible liquid; will release invisible vapors that form combustible mixtures that might ignite or explode under some conditions.

Vapors can travel distances to an ignition source and flash back. Material can accumulate static charges, which can cause an incendiary electrical discharge. Material will partially disperse and then float on water. Rags, cloth or cardboard, which is soaked with product, can spontaneously combust. Do not dispose of solvent soaked materials in an open dumpster or trash can; store in an approved covered waste can or soak materials with water. Failure to properly dispose of soaked materials can cause a fire.

5: FIRE FIGHTING MEASURES (Continued)

Extinguishing Agents: Water spray, regular foam, dry chemical, carbon dioxide are appropriate. Use extinguishing media appropriate for surrounding media. Avoid spraying water directly into storage containers due to danger of boil-over. Use water spray to cool adjacent fire exposed containers to avoid rupture and spattering.

Personal Protective Equipment: Keep personnel removed and upwind. As in any fire, wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH approved or equivalent) and full protective gear.

Special Procedures: Water may spread the fire.

6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Appropriate protective equipment must be worn when handling a spill of this material. See the PERSONAL PROTECTION MEASURES Section for recommendations. If exposed to material during clean-up operations, see the FIRST AID PROCEDURES Section for appropriate actions.

Procedures: Prevent ignition; stop leaks; ventilate area; keep spectators away; contain spill immediately with inert noncombustible materials (e.g. sand, earth, absorbent). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. Soak material with water to prevent any tendency of spontaneous combustion. CAUTION: Keep spills and cleaning runoff out of municipal sewers, watercourses and open bodies of water. Use water spray to disperse vapors.

7: HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes or clothing. Avoid breathing of mist or vapor. Practice good personal hygiene: Wash after handling; shower at end of work period.

Storage Conditions: Keep away from heat, sparks and open flame. Protect from storage temperatures above 120°F.

Keep in a well ventilated space. Transfer operations must be electrically grounded. Keep Out of Reach of Children. Store upright in original closed container. Empty drums should be completely drained and properly bunged and promptly returned to a reconditioner or other proper disposal.

8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection: Use of this product does not require respiratory protection under normal operating conditions but use of local exhaust ventilation is recommended.

Eye Protection: Wear safety glasses or chemical splash goggles (ANSI Z87.1 or approved equivalent).

Hand Protection: Wear gloves resistant to solvent permeation: neoprene, nitrile, polyvinyl alcohol, viton.

Other Protective Equipment: Facilities storing or utilizing this material should be equipped with eyewash and safety shower facilities.

9: PHYSICAL AND CHEMICAL PROPERTIES - Typical

State:	Liquid	Vapor Density (Air=1):	< 1
Appearance:	Clear	Vapor Pressure:	< 1 mm Hg @ 20°C
Color:	Colorless to pale amber	Freezing Point:	< -73°C = -100°F
Odor:	Characteristic citrus	Boiling Point:	160°C = 320°F initial
Viscosity:	Thin < 5 cSt @ 25°C	Solubility in Water:	77% appreciable
pH:	Slightly acidic in water	Percent Volatility:	94%
Specific Gravity @ 60°F:	0.974	VOC %:	94% = 7.62 Lbs./Gal
Density @ 60°F:	8.11 Lbs/Gal	HAP %:	0.0% = 0 Lbs./Gal

10: STABILITY AND REACTIVITY

Instability: This material is considered stable.

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide if burned.

Hazardous Polymerization: This product will not undergo polymerization.

Incompatibility: This product is not compatible with strong acids and strong oxidizing agents.

11: TOXICOLOGICAL INFORMATION

Inhalation of large quantities of vapor for extended periods is presumed to be harmful: Overexposure to high concentrations can cause eye, nose, throat, lung irritation; dizziness, difficulty in breathing, unconsciousness. Information available on the chronic health effects from long term exposure is limited. Skin contact can incur absorption. Repeated or prolonged contact is irritating. Eye contact is irritating.

Oral consumption is harmful if swallowed. Pulmonary aspiration can enter lungs and cause damage.

12: ECOLOGICAL INFORMATION

Toxic to fish and food organisms.

13: DISPOSAL CONSIDERATIONS

Procedure: Incinerate liquid and contaminated solids in accordance with local, state and federal regulations.

14: TRANSPORTATION INFORMATION

Proper Shipping Name: Combustible Liquid, n.o.s. (Contains Limonene), NA1993, III

Hazard Class: Combustible Liquid

Emergency Response Guide No.: 27 / 128

RQ: None

National Motor Freight Classification 65

15: REGULATORY INFORMATION

WORKPLACE CLASSIFICATIONS

This product is considered to be hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

This product is a 'controlled' product under the Canadian Workplace Hazardous Materials Information System (WHMIS).

Class B - Division 3; Combustible Liquid

Class D - Division 2B

EMERGENCY PLANNING AND COMMUNITY RIGHT - TO KNOW (SARA TITLE III)

Section 311/312 Categorizations (40 CFR 370)

This product is a hazardous material under 29 CFR 1910.1200, and therefore is covered by Title III of SARA and is classified into the following hazard categories: Fire

15: REGULATORY INFORMATION (Continued)

Section 313 Information (40 CFR 372)

This product contains a chemical, which is listed in Section 313 at or above the de minimis concentrations: Glycol Ethers 10%

CERCLA INFORMATION (40 CFR 302.4)

Releases of this material to air, land or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to the state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

RCRA INFORMATION

When a decision is made to discard this material as supplied, it does meet RCRA's characteristic definition of ignitability.

CHEMICAL CONTROL LAW STATUS

All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

This Mixture is not considered to be a carcinogen by IARC or NTP.

16: OTHER SUPPLEMENTAL INFORMATION

ABBREVIATIONS

ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
TLV	Threshold Limit Value
PEL	Permissible Exposure Limit
TWA	Time Weighted Average
STEL	Short Term Exposure Limit
BAC	Butyl acetate
NE	Not Established
ND	Not Determined
NA	Not Applicable

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