

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DS - 108 WIPE SOLVENT

GENERAL USE: Cleaning solvent

PRODUCT DESCRIPTION: Colorless combustible liquid

U.S.A. Patent No. 5,437,808



MANUFACTURER'S NAME

Dysol Inc. (formerly Dynamold Solvents, Inc.)

DATE PREPARED: October 6, 2006

SUPERSEDES: September 1, 2006

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ADDRESS (NUMBER, STREET, P.O. BOX)

2901 Shamrock Avenue

TELEPHONE NUMBER FOR INFORMATION

(817) 335-1826

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COUNTRY

EMERGENCY TELEPHONE NUMBER

Fort Worth, TX 76107

USA

CHEM • TEL (800) 255-3924 Outside USA (813) 248-0585

DISTRIBUTOR'S NAME

ADDRESS (NUMBER, STREET, P.O. BOX)

TELEPHONE NUMBER FOR INFORMATION

(CITY, STATE AND ZIP CODE)

COUNTRY

EMERGENCY TELEPHONE NUMBER

SECTION 2 - HAZARDOUS INGREDIENTS

| HAZARDOUS COMPONENTS | CAS # | % | OSHA PEL | | ACGIH TWA | | SARA TITLE III | RQ LBS |
|---------------------------------|------------|---------|-----------------|-------|-----------|-------|-------------------|-----------|
| | | | PPM | MG/M3 | PPM | MG/M3 | | |
| Ethyl lactate | 97-64-3 | 60 - 75 | not established | | | | | |
| Petroleum distillate, aliphatic | 64742-48-9 | 10 - 30 | 100 | 500 | | | | |
| Propylene glycol n-propyl ether | 1569-01-3 | 10 - 20 | not established | | | | | |

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Colorless liquid, potentially hazardous vapors. Flammable as defined by DOT and TDG for Air / Ocean transport. Classified by DOT as Combustible for ground transport in containers less than 120 gallons. Classified as Combustible by OSHA. Can cause serious or fatal complications if swallowed. Can cause eye and skin irritation upon contact. Inhalation of vapors can cause anesthetic effect leading to death in poorly ventilated areas.

POTENTIAL HEALTH EFFECTS

INHALATION: High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise.

SKIN: Brief contact may cause slight irritation; prolonged contact may cause moderate irritation or dermatitis.

EYES: High vapor concentration or contact may cause irritation and discomfort.

INGESTION: May result in vomiting; aspiration of vomitus into the lungs must be avoided; DO NOT induce vomiting. Minute amounts aspirated into the lungs can produce severe lung injury, chemical pneumonitis, pulmonary edema or death.

CARCINOGENICITY

NTP?

No

IARC MONOGRAPHS?

No

OSHA REGULATED?

No

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SECTION 4 - FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: DO NOT induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs; seek immediate medical attention. Vomiting may be induced only under the supervision of a physician.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)

115° F (46.1° C) TCC

FLAMMABLE LIMITS

LEL: 1.5%

UEL: 11.0%

AUTOIGNITION TEMPERATURE: 660° F (349° C)

NFPA CLASS: II

GENERAL HAZARDS: Product is combustible. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA

Carbon dioxide, water, water fog, dry chemical, chemical foam.

FIRE FIGHTING PROCEDURES

Self - contained respiratory equipment; cool containers to prevent pressure buildup and possible explosion when exposed to extreme heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers can explode due to buildup of pressure when exposed to extreme heat.

HAZARDOUS COMBUSTION PRODUCTS

Smoke, fumes or vapors, oxides of carbon.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: COMBUSTIBLE - Evacuate and ventilate area; remove all sources of sparks, ignition and open flames; confine and absorb into approved absorbent; place material into approved containers for disposal; do not wash to sewer or waterway.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: This material is combustible. It should be stored in tightly closed containers in a cool, well ventilated area. Vapor may form explosive mixtures in air. All sources of ignition should be controlled. This material may be classified as Flammable liquids, n.o.s. UN 1993 if transported by vessel or aircraft. Refer to 49 CFR 173.120. Keep this and other chemicals out of reach of children. Avoid inhaling concentrated fumes or vapors.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**ENGINEERING CONTROLS**

The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

PERSONAL PROTECTION:

RESPIRATORY PROTECTION: None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES: Neoprene, butyl or nitrile rubber gloves with cuffs.

EYE PROTECTION: Chemical splash goggles. Refer to 29 CFR 1910.133 or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyewash station nearby.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| VAPOR PRESSURE 1.1 mm Hg @ 20° C | VAPOR DENSITY (AIR = 1) > 5 |
| SPECIFIC GRAVITY (WATER = 1) 0.950 | EVAPORATION RATE (Water = 1) < 1 |
| SOLUBILITY IN WATER Appreciable, 20% | FREEZING POINT Not determined |
| pH Not applicable | APPEARANCE AND ODOR Colorless liquid, characteristic mild odor |
| BOILING POINT 335° F (168° C) | PHYSICAL STATE Liquid |
| VISCOSITY Approximately that of water | VOLATILE ORGANIC COMPOUNDS (Total VOC's) 7.9 lbs / gal (950 gms / liter) |

SECTION 10 - STABILITY AND REACTIVITY

| | |
|---------------------------------------|---|
| STABILITY UNSTABLE: STABLE: XXX | CONDITIONS TO AVOID: Extreme temperatures, open flames. |
|---------------------------------------|---|

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.

| | |
|---|---------------------------|
| HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: XXX | CONDITIONS TO AVOID: None |
|---|---------------------------|

SECTION 11 - TOXICOLOGICAL INFORMATION

| Hazardous Ingredients | CAS # | LD50 of Ingredient (Specify Species and Route) | LC50 of Ingredient (Specify Species) |
|---------------------------------|------------|---|---|
| Ethyl lactate | 97-64-3 | 8200 mg / kg Oral - rat | > 5400 ppm / 4H Inhalation - rat |
| Petroleum distillate, aliphatic | 64742-48-9 | Not determined | Not determined |
| Propylene glycol n-propyl ether | 1569-01-3 | 2504 mg / kg Oral - rat | >2230 ppm / 6H Inhalation - rat |
| | | | |
| | | | |
| | | | |

SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. This product may produce hazardous vapors in a closed disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Flammable liquid, n.o.s. (ethyl lactate / propylene glycol n-propyl ether solution). Note: Not regulated for ground transport in containers < 120 gallons. Flammable liquids, n.o.s. for air / ocean transport.

DOT HAZARD CLASS / Pack Group: 3 / III
 REFERENCE: 49 CFR 173.150, .203, .242
 UN / NA IDENTIFICATION NUMBER: UN 1993
 LABEL: FLAMMABLE LIQUID
 HAZARD SYMBOLS: F
 Hazard Identification Number (HIN): 30

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EC, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

