

## SECTION 1-PRODUCT AND COMPANY IDENTIFICATION

**dysol**

EMERGENCY TELEPHONE NUMBER

not established

## No

|   |                 |  |             |                  |           |            |                           |                 |                |
|---|-----------------|--|-------------|------------------|-----------|------------|---------------------------|-----------------|----------------|
| <b>MATERIAL SAFETY DATA SHEET</b>   |                 |  |             |                  |           |            |                           |                 |                |
| PRODUCT NAME: DS - 108 WIPE SOLVENT<br>October 6, 2006  |                 |  | Page 2 of 4 |                  |           |            |                           |                 |                |
| <b>SECTION 4 - FIRST AID MEASURES</b>   |                 |  |             |                  |           |            |                           |                 |                |
| 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.  |                 |  |             |                  |           |            |                           |                 |                |
| <b>SECTION 5 - FIRE FIGHTING MEASURES</b>   |                 |  |             |                  |           |            |                           |                 |                |
| FLASH POINT (METHOD USED)<br>115° F ( 46.1° C ) TCC   |                 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">FLAMMABLE LIMITS</td> <td style="width: 33%;">LEL: 1.5%</td> <td style="width: 33%;">UEL: 11.0%</td> </tr> <tr> <td>AUTOIGNITION TEMPERATURE:</td> <td>660° F (349° C)</td> <td>NFPA CLASS: II</td> </tr> </table> |             | FLAMMABLE LIMITS | LEL: 1.5% | UEL: 11.0% | AUTOIGNITION TEMPERATURE: | 660° F (349° C) | NFPA CLASS: II |
| 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<br>Carbon dioxide, water, water fog, dry chemical, chemical foam.   |                 |  |             |                  |           |            |                           |                 |                |
| FIRE FIGHTING PROCEDURES<br>Self - contained respiratory equipment; cool containers to prevent pressure buildup and possible explosion when exposed to extreme heat.  |                 |  |             |                  |           |            |                           |                 |                |
| UNUSUAL FIRE AND EXPLOSION HAZARDS<br>Closed containers can explode due to buildup of pressure when exposed to extreme heat.  |                 |  |             |                  |           |            |                           |                 |                |
| HAZARDOUS COMBUSTION PRODUCTS<br>Smoke, fumes or vapors, oxides of carbon.  |                 |  |             |                  |           |            |                           |                 |                |
| <b>SECTION 6 - ACCIDENTAL RELEASE MEASURES</b>  |                 |  |             |                  |           |            |                           |                 |                |
| 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.   |                 |  |             |                  |           |            |                           |                 |                |
| <b>SECTION 7 - HANDLING AND STORAGE</b>   |                 |  |             |                  |           |            |                           |                 |                |
| 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. |                 |  |             |                  |           |            |                           |                 |                |
| <b>SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION</b>  |                 |  |             |                  |           |            |                           |                 |                |
| <b>ENGINEERING CONTROLS</b>   |                 |  |             |                  |           |            |                           |                 |                |
| 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.   |                 |  |             |                  |           |            |                           |                 |                |
| <b>PERSONAL PROTECTION:</b>   |                 |  |             |                  |           |            |                           |                 |                |
| 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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| <b>MATERIAL SAFETY DATA SHEET</b>   |            |   |   |
| PRODUCT NAME: DS - 108 WIPE SOLVENT<br>October 6, 2006  |            |   | Page 3 of 4                             |
| <b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>   |            |   |   |
| VAPOR PRESSURE<br>1.1 mm Hg @ 20° C   |            | VAPOR DENSITY (AIR = 1)<br>> 5  |   |
| SPECIFIC GRAVITY (WATER = 1)<br>0.950   |            | EVAPORATION RATE (Water = 1)<br>< 1   |   |
| SOLUBILITY IN WATER<br>Appreciable, 20%   |            | FREEZING POINT<br>Not determined  |   |
| pH<br>Not applicable  |            | APPEARANCE AND ODOR<br>Colorless liquid, characteristic mild odor           |   |
| BOILING POINT<br>335° F ( 168° C )  |            | PHYSICAL STATE<br>Liquid  |   |
| VISCOSITY<br>Approximately that of water  |            | VOLATILE ORGANIC COMPOUNDS (Total VOC's)<br>7.9 lbs / gal (950 gms / liter) |   |
| <b>SECTION 10 - STABILITY AND REACTIVITY</b>  |            |   |   |
| STABILITY<br>UNSTABLE:<br>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<br>MAY OCCUR:<br>WILL NOT OCCUR: XXX   |            | CONDITIONS TO AVOID: None   |   |
| <b>SECTION 11 - TOXICOLOGICAL INFORMATION</b>   |            |   |   |
| Hazardous Ingredients   | CAS #      | LD50 of Ingredient<br>(Specify Species and Route)                           | LC50 of Ingredient<br>(Specify Species) |
| Ethyl lactate   | 97-64-3    | 8200 mg / kg<br>Oral - rat  | > 5400 ppm / 4H<br>Inhalation - rat     |
| Petroleum distillate, aliphatic   | 64742-48-9 | Not determined  | Not determined                          |
| Propylene glycol n-propyl ether   | 1569-01-3  | 2504 mg / kg<br>Oral - rat  | >2230 ppm / 6H<br>Inhalation - rat      |
|   |            |   |   |
|   |            |   |   |
|   |            |   |   |
| <b>SECTION 12 - ECOLOGICAL INFORMATION</b>  |            |   |   |
| 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. |            |   |   |
| <b>SECTION 13 - DISPOSAL CONSIDERATIONS</b>   |            |   |   |
| 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.                        |            |   |   |
| <b>SECTION 14 - TRANSPORT INFORMATION</b>   |            |   |   |
| PROPER SHIPPING NAME: Flammable liquid, n.o.s. (ethyl lactate / propylene glycol n-propyl ether solution). Note:<br>Not regulated for ground transport in containers < 120 gallons. Flammable liquids,<br>n.o.s. for air / ocean transport.   |            |   |   |
| DOT HAZARD CLASS / Pack Group: 3 / III<br>REFERENCE: 49 CFR 173.150, .203, .242<br>UN / NA IDENTIFICATION NUMBER: UN 1993<br>LABEL: FLAMMABLE LIQUID  |            |   |   |
| HAZARD SYMBOLS: F<br>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.  |            |   |   |

**MATERIAL SAFETY DATA SHEET**PRODUCT NAME: DS - 108 WIPE SOLVENT  
October 6, 2006

Page 4 of 4

**SECTION 15 - REGULATORY INFORMATION****TSCA (Toxic Substance Control Act)**

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

**SARA TITLE III (Superfund Amendments and Reauthorization Act)**

311/312 Hazard Categories

Fire hazard, Immediate health

313 Reportable Ingredients:

None

**CERCLA (Comprehensive Response Compensation and Liability Act)**

None

**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986**

There are no chemicals present known to the state of California to cause cancer or reproductive toxicity.

**CPR (Canadian Controlled Products Regulations)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: B3, D2B

**IDL (Canadian Ingredient Disclosure List)**

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

**DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)**

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

**SECTION 16 - OTHER INFORMATION**

Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on Information from similar products, the ingredients, technical literature, and/or professional experience.

**HMIS HAZARD RATINGS**

HEALTH

1

\* = Chronic Health Hazard

2 = MODERATE

FLAMMABILITY

2

0 = INSIGNIFICANT

3 = HIGH

PHYSICAL HAZARD

0

1 = SLIGHT

4 = EXTREME

PERSONAL PROTECTIVE EQUIPMENT

B

Safety Glasses, Gloves

**REVISION SUMMARY:**

This MSDS has been revised in the following sections:

Format update

MSDS Prepared by: Comprehensive Data Base, Inc.  
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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.