

# Safety Data Sheet

Issue Date: 01-Jan-1997

Revision Date: 28-Aug-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Break-up Stripper

### Other means of identification

**SDS #** DYNI-075

### Recommended use of the chemical and restrictions on use

**Recommended Use** Stripper.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Dynasol, Inc  
330 Pine St.  
Canton, MA 02021

### Emergency Telephone Number

#### **Company Phone Number**

Phone: (781) 821-8888

Fax: (781) 575-9177

#### **Emergency Telephone (24 hr)**

INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** liquid

**Physical State** Liquid

### Classification

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | Category 1 Sub-category C |
| Serious eye damage/eye irritation | Category 1                |

### Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

### Signal Word

**Danger**

### Hazard Statements

Causes severe skin burns and eye damage



### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Immediately call a poison center or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a poison center or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a poison center or doctor/physician

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Harmful to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name        | CAS No      | Weight-% |
|----------------------|-------------|----------|
| Proprietary solvent  | Proprietary | 10-20    |
| Amine                | Proprietary | 5-10     |
| Proprietary silicate | Proprietary | 1-5      |
| EDTA                 | Proprietary | 1-5      |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

|                       |   |
|-----------------------|---|
| <b>General Advice</b> | Provide this SDS to medical personnel for treatment.  |
| <b>Eye Contact</b>    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediately call a poison center or doctor/physician.  |
| <b>Skin Contact</b>   | Wash off immediately with plenty of water. If skin irritation persists, call a physician.   |
| <b>Inhalation</b>     | Remove to fresh air. Call a physician or poison control center immediately.   |
| <b>Ingestion</b>      | Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution; or if they are not available, drink large quantities of water. Immediately call a poison center or doctor/physician. |

**Most important symptoms and effects**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Causes severe skin burns and eye damage. Ingestion may cause severe burns to mouth, throat or stomach. May cause irritation to the mucous membranes and upper respiratory tract. |
|-----------------|--|

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**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Extinguish with dry chemical, CO2 or an BC/ABC extinguisher. Water spray (fog). Synthetic foam.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Material is corrosive.

**Hazardous Combustion Products** Under fire conditions, toxic and irritating fumes may be emitted. Carbon oxides.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Environmental Precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Mop up or otherwise absorb with an inert material and place in an appropriate waste disposal container for disposal. Clean up in accordance with all applicable regulations.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not breathe vapors or spray mist. Wash face, hands, and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep locked up and out of reach of children.

**Incompatible Materials** Strong acids. Strong oxidizers.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

| Chemical Name        | ACGIH TLV                 | OSHA PEL  | NIOSH IDLH  |
|----------------------|---------------------------|---|---|
| Proprietary solvent  | TWA: 20 ppm               | TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup><br>(vacated) TWA: 25 ppm<br>(vacated) TWA: 120 mg/m <sup>3</sup><br>(vacated) S*<br>S*                                      | IDLH: 700 ppm<br>TWA: 5 ppm<br>TWA: 24 mg/m <sup>3</sup>  |
| Amine                | STEL: 6 ppm<br>TWA: 3 ppm | TWA: 3 ppm<br>TWA: 6 mg/m <sup>3</sup><br>(vacated) TWA: 3 ppm<br>(vacated) TWA: 8 mg/m <sup>3</sup><br>(vacated) STEL: 6 ppm<br>(vacated) STEL: 15 mg/m <sup>3</sup> | IDLH: 30 ppm<br>TWA: 3 ppm<br>TWA: 8 mg/m <sup>3</sup><br>STEL: 6 ppm<br>STEL: 15 mg/m <sup>3</sup> |
| Proprietary silicate | 2 mg/m <sup>3</sup>       | 2 mg/m <sup>3</sup>   | -   |

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Goggles or safety glasses with side shields. Recommended.

**Skin and Body Protection** Gloves are recommended.

**Respiratory Protection** Not required under normal conditions. If recommended levels are exceeded, respiratory protection must be selected to assure compliance with OSHA Standard 29CFR 1910.134.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                       |                |                       |                |
|-----------------------|----------------|-----------------------|----------------|
| <b>Physical State</b> | Liquid         | <b>Odor</b>           | Not determined |
| <b>Appearance</b>     | liquid         | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Not determined |                       |                |

| <u>Property</u>                     | <u>Values</u>          | <u>Remarks • Method</u> |
|-------------------------------------|------------------------|-------------------------|
| <b>pH</b>                           | 12.0-13.5              |                         |
| <b>Melting Point/Freezing Point</b> | Not determined         |                         |
| <b>Boiling Point/Boiling Range</b>  | 100 °C / 212 °F        |                         |
| <b>Flash Point</b>                  | None                   |                         |
| <b>Evaporation Rate</b>             | Same as water          |                         |
| <b>Flammability (Solid, Gas)</b>    | Liquid- Not Applicable |                         |
| <b>Upper Flammability Limits</b>    | Not determined         |                         |
| <b>Lower Flammability Limit</b>     | Not determined         |                         |
| <b>Vapor Pressure</b>               | Same as water          |                         |
| <b>Vapor Density</b>                | Same as water          |                         |
| <b>Specific Gravity</b>             | 1.05                   |                         |
| <b>Water Solubility</b>             | Completely soluble     |                         |
| <b>Solubility in other solvents</b> | Not determined         |                         |
| <b>Partition Coefficient</b>        | Not determined         |                         |
| <b>Auto-ignition Temperature</b>    | Not determined         |                         |

|                                  |                |
|----------------------------------|----------------|
| <b>Decomposition Temperature</b> | Not determined |
| <b>Kinematic Viscosity</b>       | Not determined |
| <b>Dynamic Viscosity</b>         | Not determined |
| <b>Explosive Properties</b>      | Not determined |
| <b>Oxidizing Properties</b>      | Not determined |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

### Conditions to Avoid

See Sec. 7 Handling & Storage.

### Incompatible Materials

Strong acids. Strong oxidizers.

### Hazardous Decomposition Products

Burning produces irritating and toxic fumes. Oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | Causes severe eye damage.   |
| <b>Skin Contact</b> | Causes severe skin burns.   |
| <b>Inhalation</b>   | May cause irritation to the mucous membranes and upper respiratory tract. |
| <b>Ingestion</b>    | Can cause irritation and corrosive burns to mouth, throat, and stomach.   |

### Component Information

| Chemical Name        | Oral LD50                              | Dermal LD50                                  | Inhalation LC50       |
|----------------------|--|--|-----------------------|
| Proprietary solvent  | = 470 mg/kg ( Rat )                    | = 99 mg/kg ( Rabbit )                        | = 450 ppm ( Rat ) 4 h |
| Amine                | = 1720 mg/kg ( Rat )                   | = 1 mL/kg ( Rabbit ) = 1000 mg/kg ( Rabbit ) | -                     |
| Proprietary silicate | = 600 mg/kg ( Rat )                    | -  | -                     |
| EDTA                 | = 1658 mg/kg ( Rat ) = 10 g/kg ( Rat ) | -  | -                     |

### Information on physical, chemical and toxicological effects

**Symptoms**      Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

| Chemical Name       | ACGIH | IARC    | NTP | OSHA |
|---------------------|-------|---------|-----|------|
| Proprietary solvent | A3    | Group 3 |     |      |

**Legend**

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

**Numerical measures of toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**Component Information**

| Chemical Name        | Algae/aquatic plants                         | Fish   | Toxicity to microorganisms | Crustacea  |
|----------------------|--|--|----------------------------|--|
| Proprietary solvent  |  | 1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50   |                            | 1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50 |
| Amine                | 15: 72 h Desmodesmus subspicatus mg/L EC50   | 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static 3684: 96 h Brachydanio rerio mg/L LC50 static 300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 227: 96 h Pimephales promelas mg/L LC50 flow-through |                            | 65: 48 h Daphnia magna mg/L EC50   |
| Proprietary silicate |  | 210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50  |                            | 216: 96 h Daphnia magna mg/L EC50  |
| EDTA                 | 1.01: 72 h Desmodesmus subspicatus mg/L EC50 | 41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static  |                            | 610: 24 h Daphnia magna mg/L EC50  |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

| Chemical Name       | Partition Coefficient |
|---------------------|-----------------------|
| Proprietary solvent | 0.81                  |
| Amine               | -1.91                 |

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

|                               |   |
|-------------------------------|---|
| <b>Disposal of Wastes</b>     | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| <b>Contaminated Packaging</b> | Disposal should be in accordance with applicable regional, national and local laws and regulations. |

### 14. TRANSPORT INFORMATION

|             |   |
|-------------|---|
| <b>Note</b> | Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. |
| <b>DOT</b>  | Please contact manufacturer for most current information  |
| <b>IATA</b> | Please contact manufacturer for most current information  |
| <b>IMDG</b> | Please contact manufacturer for most current information  |

### 15. REGULATORY INFORMATION

#### International Inventories

| Chemical Name        | TSCA    | DSL | NDSL | EINECS  | ELINCS | ENCS    | IECSC | KECL    | PICCS | AICS |
|----------------------|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| Proprietary solvent  | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| Amine                | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| Proprietary silicate | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| EDTA                 | Present | X   |      | Present |        | Present | X     | Present | X     | X    |

#### **Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*  
*AICS - Australian Inventory of Chemical Substances*

#### US Federal Regulations

##### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name         | CAS No | Weight-% | SARA 313 - Threshold Values % |
|-----------------------|--------|----------|-------------------------------|
| Proprietary solvent - |        | 10-20    | 1.0                           |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name       | New Jersey | Massachusetts | Pennsylvania |
|---------------------|------------|---------------|--------------|
| Proprietary solvent | X          | X             | X            |
| Amine               | X          | X             | X            |

**16. OTHER INFORMATION**

|                    |                       |                     |                         |                            |
|--------------------|-----------------------|---------------------|-------------------------|----------------------------|
| <b><u>NFPA</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|                    | 3                     | 0                   | 0                       | Not determined             |
| <b><u>HMIS</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical Hazards</b> | <b>Personal Protection</b> |
|                    | 3                     | 0                   | 0                       | Not determined             |

Issue Date: 01-Jan-1997  
 Revision Date: 28-Aug-2015  
 Revision Note: New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**