

# Safety Data Sheet



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## Section 1. Chemical Product and Company Identification

**Product Name** Dyna 1398  
**Product Use** Alkaline Cleaner  
**Product Code** 8344  
**Date of Issue** 7/8/2016  
**Supersedes** 6/8/2016

**Emergency Telephone Numbers**  
**CHEMTREC- 1-800-424-9300**

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

## Section 2. Hazards Identification

### Emergency Overview

**DANGER**



### Health Hazards

Skin Corrosion/Irritation Category 2  
Serious eye damage/ eye irritation Category 1

### Precautionary Statements:

P264 Wash hands thoroughly after handling  
P280 Wear protective gloves/protective clothing/eye protective  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P332+P313 IF SKIN irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.

### Hazard Statements:

H315 Causes skin irritation  
H318 Causes serious eye damage

**Routes of Entry** Dermal, Oral, and Inhalation

### Acute Effects:

**Eyes** Results of exposure can range from irritation to serious eye damage. Severity of damage increases with duration of contact.  
**Skin** Results of exposure can cause rash-like symptoms.  
**Inhalation** Will cause severe irritation to respiratory tract.  
**Ingestion** Corrosive to the mucous membranes of the mouth, throat, esophagus, and stomach. Causes burns, nausea, and vomiting with gastrointestinal disorder.

## Section 3. Composition/Information on Ingredients

| <u>Name of Hazardous Ingredients</u> | <u>CAS Number</u> | <u>% by Weight</u> |
|--------------------------------------|-------------------|--------------------|
| 2-butoxyethanol                      | 111-76-2          | 5                  |
| Potassium Hydroxide                  | 1310-58-3         | <5                 |
| Sodium Metasilicate Pentahydrate     | 10213-79-3        | 3                  |

**Section 4. First Aid Measures**

**Eye Contact** Flush eyes immediately with clean water for at least 15 minutes. Seek immediate medical attention.

**Skin Contact** If irritation occurs, flush with plenty of water and wash with soap. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation continues.

**Inhalation** Remove person to fresh air. Begin CPR if breathing has stopped, and seek medical attention immediately

**Ingestion** Do not induce vomiting. If conscious, give several glasses of water or milk.

**Section 5. Fire Fighting Measures**

National Fire Protection Association (U.S.A)  
(estimated rating)



**Hazardous Combustion Products** None known

**Extinguishing Media** None needed

**Unsuitable Extinguishing Media** N/A

**Fire Fighting Procedures** Any method applicable to surrounding fire.

**Section 6. Accidental Release Measures**

**Spill Clean Up** All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water. Slippery material, flush small spills to closest drain with plenty of water.

**Section 7. Handling and Storage**

**Handling** Take safety precautions when handling material. Keep out of the reach of children. Keep away from unauthorized personnel. Have eyewash accessible to use in handling area.

**Storage** Keep container tightly closed when not in use. Store in a cool dry place. Do not store near acidic material. Keep at room temperature.

**Section 8. Exposure Controls/Personal Protection****Exposure Limits**

| Product Name                    | OSHA PEL | NIOSH REL          | AIHA WEEL | ACGIH TLV          |
|---------------------------------|----------|--------------------|-----------|--------------------|
| 2-butoxyethanol (111-76-2)      | 50ppm    | 5ppm               | -         | 20ppm              |
| Potassium Hydroxide (1310-58-3) | -        | 2mg/m <sup>3</sup> | -         | 2mg/m <sup>3</sup> |

**Engineering Controls** Use in well-ventilated area. Wear NIOSH approved respirator if exposure limits are exceeded or local ventilation is poor.

**Personal Protective Equipment (PPE)**

**Eyes** Safety glasses or chemical splash goggles are recommended

**Body** Rubber aprons and gloves are recommended when handling this product.

**Respiratory** Use a NIOSH approved respirator if exposure limits are reached or exceeded

**Section 9. Physical and Chemical Properties**

|                       |                |                         |                |
|-----------------------|----------------|-------------------------|----------------|
| <b>Physical State</b> | Liquid         | <b>Explosive Limits</b> | Not determined |
| <b>Color</b>          | Purple         | <b>Vapor Pressure</b>   | Not determined |
| <b>Odor</b>           | Citrus         | <b>Vapor Density</b>    | Not determined |
| <b>Odor Threshold</b> | Not determined | <b>Relative Density</b> | Not determined |

|                         |                |                              |                   |
|-------------------------|----------------|------------------------------|-------------------|
| <b>pH</b>               | 13-13.5        | <b>Solubility</b>            | Complete in Water |
| <b>Freezing Point</b>   | Not determined | <b>Partition Coefficient</b> | Not determined    |
| <b>Boiling Point</b>    | Not determined | <b>Auto-Ignition Temp.</b>   | Not determined    |
| <b>Flash Point</b>      | Not determined | <b>Decomposition Temp.</b>   | Not determined    |
| <b>Evaporation Rate</b> | Not determined | <b>Viscosity</b>             | Not applicable    |
| <b>Flammability</b>     | Not determined | <b>Specific Gravity</b>      | 1.08-1.1          |

### Section 10. Stability and Reactivity

|   |  |
|---|--|
| <b>Stability and Reactivity</b>         | Stable                                   |
| <b>Incompatibility</b>                  | Strong oxidizing agents and strong acids |
| <b>Hazardous Polymerization</b>         | Will not occur                           |
| <b>Hazardous Decomposition Products</b> | None known                               |
| <b>Conditions to Avoid</b>              | High temperatures                        |

### Section 11. Toxicological Information

|                              |  |
|------------------------------|--|
| <b>Routes of Entry</b>       | Dermal, Oral, and Inhalation                         |
| <b>Symptoms</b>              | Symptoms increase in severity with prolonged contact |
| <b>Skin Irritant</b>         | Yes  |
| <b>Eye Irritant</b>          | Yes  |
| <b>Sensitizers</b>           | Not determined                                       |
| <b>Mutagenicity</b>          | No information found                                 |
| <b>Carcinogenicity</b>       | None   |
| <b>Reproductive Toxicity</b> | No information found                                 |
| <b>Target Organs</b>         | None   |

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

#### Acute Toxicity

| Test              | Results      | Basis                            |
|-------------------|--------------|----------------------------------|
| <b>Dermal</b>     | 11,392 mg/kg | ATE determined beyond Category 4 |
| <b>Oral</b>       | 5,064 mg/kg  | ATE determined beyond Category 4 |
| <b>Inhalation</b> | 25.7 mg/l    | ATE determined beyond Category 4 |

### Section 12. Ecological Information

**Environmental Effects** No environmental information available.

### Section 13. Disposal Considerations

**Waste Information** Check with Federal, State, and Local authorities for regulations regarding the disposal of RCRA Hazardous Waste.

**Section 14. Transportation Information**

| Regulatory Information    | UN number | Proper Shipping Name         | Classes | Packaging Group | Label Code |
|---------------------------|-----------|------------------------------|---------|-----------------|------------|
| <b>DOT Classification</b> | UN1814    | Potassium Hydroxide Solution | 8       | PGII            | Corrosive  |

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

**Section 15. Regulatory Information**

|                               |   |                            |                  |              |
|-------------------------------|---|----------------------------|------------------|--------------|
| <b>US Federal Regulations</b> | The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313: | 2-butoxyethanol            | 111-76-2         | 5%           |
|                               | The following substances have CERCLA reportable quantity values (in pounds):                                      | <b>Potassium Hydroxide</b> | <b>1310-58-3</b> | <b>1,000</b> |
| <b>State Regulations</b>      | None  |                            |                  |              |

**Section 16. Other Information**

**Last Revision** 7/8/2016

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.