

Safety Data Sheet



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Section 1. Chemical Product and Company Identification

Product Name Dyna 2401
Product Use Alkaline Cleaner
Product Code 8343
Date of Issue 7/11/2016
Supersedes 1/14/2016

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 protection/face protection.
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.
P337+P313 IF eye irritation persists: 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 15minutes. 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 ³ | - | 2mg/m ³ |

Engineering Controls Use in well-ventilated area

**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

| | | | |
|-----------------------|----------------|-------------------------|-------------------|
| Physical State | Liquid | Explosive Limits | Not determined |
| Color | Clear | Vapor Pressure | Not determined |
| Odor | Citrus | Vapor Density | Not determined |
| Odor Threshold | Not determined | Relative Density | Not determined |
| pH | 13-13.5 | Solubility | Complete in Water |

Freezing Point Not determined
 Boiling Point Not determined
 Flash Point Not determined
 Evaporation Rate Not determined
 Flammability Not determined

Partition Coefficient Not determined
 Auto-Ignition Temp. Not determined
 Decomposition Temp. Not determined
 Viscosity Not applicable
 Specific Gravity 1.08-1.1

Section 10. Stability and Reactivity

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

Section 11. Toxicological Information

Routes of Entry Dermal, Oral, and Inhalation
 Symptoms Slight irritation. Symptoms increase in severity with prolonged contact.
 Skin Irritant Yes
 Eye Irritant Yes
 Sensitizers Not determined
 Mutagenicity No information found
 Carcinogenicity 2-butoxyethanol: IARC Group 3 (not classifiable as a human carcinogen)
 Reproductive Toxicity No information found
 Target Organs 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 |
|------------|--------------|----------------------------------|
| Dermal | 10,026 mg/kg | ATE determined beyond Category 4 |
| Oral | 4,790 mg/kg | ATE determined beyond Category 4 |
| Inhalation | 24.8 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 |
|------------------------|-----------|------------------------------|---------|-----------------|------------|
| DOT Classification | 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

US Federal Regulations 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):

| | | |
|----------------------------|------------------|--------------|
| Potassium Hydroxide | 1310-58-3 | 1,000 |
|----------------------------|------------------|--------------|

State Regulations None

Section 16. Other Information

Last Revision 7/11/2016

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.