

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 3/14/2018
Supersedes 7/8/2016

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 and Storage 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. 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. 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

Physical State	Liquid	Explosive Limits	Not determined
Color	Purple	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	Partition Coefficient	Not determined
Boiling Point	Not determined	Auto-Ignition Temp.	Not determined
Flash Point	Not determined	Decomposition Temp.	Not determined
Evaporation Rate	Not determined	Viscosity	Not applicable
Flammability	Not determined	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	Symptoms increase in severity with prolonged contact
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	2-butoxyethanol (111-76-2): 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	11,392 mg/kg	ATE determined beyond Category 4
Oral	5,064 mg/kg	ATE determined beyond Category 4
Inhalation	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
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 3/14/2018

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.