

Safety Data Sheet

Product Name: 3334

Revision Date: June 4, 2015

Page 1 of 4

Section #1: Chemical Product and Company Identification

Product Name: 3334

Other mean of identification: None

Chemical use/Restrictions: For industrial, commercial, institutional use only. Not intended for household use.

Manufacturer / Distributor: Enerco Corporation

Address: 317 N. Bridge St., Grand Ledge, MI 48837

Telephone: (800) 292-5908

Fax: (517) 627-8037

For chemical emergency - spill, leak, fire, exposure or accident - call CHEMTREC - day or night - (800) 424-9300

Section #2: Hazards Identification

Signal Word: **Warning**



Exclamation
Mark

Classification Number and Name

C.4.4 Skin Corrosion/Irritation

C.4.5 Eye Damage/Irritation

Appendix Reference

A.2

A.3

Hazard Statement

Causes skin irritation

Causes eye irritation

Hazard Category

2

2B

Precautionary Statements

Prevention

Wash exposed body parts thoroughly after handling.

Wear protective gloves.

Response

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Other Hazards: No other hazards identified during the classification process.

Unknown Acute Toxicity: No ingredients of unknown toxicity.

Section #3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
<input checked="" type="checkbox"/> Sodium Hydroxide	1310-73-2	<0.1	2 mg/m ³	unknown

Indicates hazardous substances. Remainder of components comprise proprietary information. This document is prepared pursuant to the OSHA Hazard Communication Standard, 29 CFR 1910.1200. In addition, other substances not "hazardous" per this OSHA standard may be listed.

Safety Data Sheet

Product Name: 3334

Revision Date: June 4, 2015

Continued from previous page...

Page 2 of 4

Section #4: First Aid Measures

EMERGENCY OVERVIEW: Product may be irritating or corrosive to eye, skin, and mucous membranes.

Eye: Immediately flush with water for 15 minutes - be sure eyelids are held open during flushing. If irritation occurs, consult physician.

Skin: Flush with water for 15 minutes. If irritation occurs, consult physician. Remove contaminated clothing.

Inhalation: Remove to fresh air if effects occur. Consult physician

Ingestion: Rinse mouth with copious amounts of water or milk. Consult physician - get medical attention. Never give anything by mouth to an unconscious person. Do not induce vomiting.

Potential Health Effects: See Section 11 for toxicological data

Effects of Acute Exposure: Eye: Irritation may occur. Can be corrosive depending on length of exposure and solution concentration.

Skin: Irritation may occur. Can be corrosive depending on length of exposure and solution concentration.

Inhalation: Irritation may occur.

Ingestion: Ingestion is not expected to be a primary route of exposure.

Effects of Chronic Exposure: Normal use of this product does not result in chronic exposure.

Medical Conditions Generally Aggravated by Exposure: None known.

Section #5: Fire-Fighting Measures

NFPA Hazard Codes - (Health / Flammability / Reactivity):

1 / 0 / 0

NFPA Code Legend

4 - Severe Hazard
3 - Serious Hazard
2 - Moderate Hazard
1 - Slight Hazard
0 - Minimal Hazard

Extinguishing Media: Water, fog, dry chemical, carbon dioxide, foam.

Unusual Fire and Explosive Hazards: None known.

Special Fire Fighting Procedures: Fire fighters should wear full protective gear including self-contained breathing apparatus.

Section #6: Accidental Release Measures

Spill and Leak Procedure: If possible, recover as much of product as possible to be used for its intended purpose. Small spills: Wash area with water. Water must go to a treatment plant not to the environment. Large spills: Dike or contain material. Keep out of drains, sewers, lakes, streams, or other water systems. Use absorbent to clean up. Transfer to suitable container for disposal.

Disposal: Dispose of in accordance with all applicable federal, state, and local health and environmental standards and regulations.

Section #7: Handling and Storage

Precautions to be Taken in Handling: Avoid contact with eyes, skin, and clothing. Avoid breathing vapor. Keep container tightly closed when not in use. Do not ingest.

Precautions to be Taken in Storage: Store in a cool, dry, well ventilated, secure place. Store below 120°F. Normal shelf life 1 year. Do not store with or near food supplies or potable water.

Continued on next page...

Printed on: Friday, August 17, 2018

Safety Data Sheet

Product Name: 3334

Revision Date: June 4, 2015

Continued from previous page...

Page 2 of 4

Section #4: First Aid Measures

EMERGENCY OVERVIEW: Product may be irritating or corrosive to eye, skin, and mucous membranes.

Eye: Immediately flush with water for 15 minutes - be sure eyelids are held open during flushing. If irritation occurs, consult physician.

Skin: Flush with water for 15 minutes. If irritation occurs, consult physician. Remove contaminated clothing.

Inhalation: Remove to fresh air if effects occur. Consult physician

Ingestion: Rinse mouth with copious amounts of water or milk. Consult physician - get medical attention. Never give anything by mouth to an unconscious person. Do not induce vomiting.

Potential Health Effects: See Section 11 for toxicological data

Effects of Acute Exposure: Eye: Irritation may occur. Can be corrosive depending on length of exposure and solution concentration.

Skin: Irritation may occur. Can be corrosive depending on length of exposure and solution concentration.

Inhalation: Irritation may occur.

Ingestion: Ingestion is not expected to be a primary route of exposure.

Effects of Chronic Exposure: Normal use of this product does not result in chronic exposure.

Medical Conditions Generally Aggravated by Exposure: None known.

Section #5: Fire-Fighting Measures

NFPA Hazard Codes - (Health / Flammability / Reactivity):

1 / 0 / 0

NFPA Code Legend

4 - Severe Hazard
3 - Serious Hazard
2 - Moderate Hazard
1 - Slight Hazard
0 - Minimal Hazard

Extinguishing Media: Water, fog, dry chemical, carbon dioxide, foam.

Unusual Fire and Explosive Hazards: None known.

Special Fire Fighting Procedures: Fire fighters should wear full protective gear including self-contained breathing apparatus.

Section #6: Accidental Release Measures

Spill and Leak Procedure: If possible, recover as much of product as possible to be used for its intended purpose.
Small spills: Wash area with water. Water must go to a treatment plant not to the environment.
Large spills: Dike or contain material. Keep out of drains, sewers, lakes, streams, or other water systems. Use absorbent to clean up. Transfer to suitable container for disposal.

Disposal: Dispose of in accordance with all applicable federal, state, and local health and environmental standards and regulations.

Section #7: Handling and Storage

Precautions to be Taken in Handling: Avoid contact with eyes, skin, and clothing.
Avoid breathing vapor.
Keep container tightly closed when not in use.
Do not ingest.

Precautions to be Taken in Storage: Store in a cool, dry, well ventilated, secure place.
Store below 120°F.
Normal shelf life 1 year.
Do not store with or near food supplies or potable water.

Continued on next page...

Printed on: Friday, August 17, 2018

Safety Data Sheet

Product Name: 3334

Revision Date: June 4, 2015

Continued from previous page...

Page 3 of 4

Section #8: Exposure Controls / Personal Protection

Permissible Exposure Limits: OSHA PEL: 2 mg/m³ for Sodium Hydroxide

Ventilation: Use adequate ventilation to keep airborne levels below the exposure limits.

Eye Protection: Chemical safety goggles. Eyewash fountain in the work place is strongly recommended.

Skin Protection: Rubber gloves. Shower in the work place is strongly recommended.

Respiratory Protection: None needed, if ventilation is adequate.

Other Protection Equipment: Any other protective clothing or use of equipment necessary to prevent eye and skin contact.

Section #9: Physical and Chemical Properties

Appearance: Amber Colored Liquid

Flammable Limits: Not determined.

Odor: Mild Odor

Vapor Pressure: Similar to water

Odor Threshold: No Information Available.

Vapor Density: Similar to water

pH (1% sol'n, unless noted): 9-11

Relative Density: No Information Available.

Melting Point (deg. F): No Information Available.

Solubility in Water: Complete

Boiling Point (deg. F): Greater than 212

Partition Coefficient: No Information Available.

Flash Point: Greater than 200°F.

Auto-ignition (deg. F): No Information Available.

Evaporation Rate: Similar to water

Decomposition (deg. F): No Information Available.

Flammability (NFPA Rating): 0

Viscosity: No Information Available.

Section #10: Stability and Reactivity

Reactivity (NFPA Rating): 0

Chemical Stability: Stable

Hazardous Reactions: Will not occur.

Conditions to Avoid: Avoid temperatures above 120°F or below 40°F.

Incompatibility: Strong Acids.

Hazardous Decomposition Products: None known.

Section #11: Toxicological Information

Skin and eye (irritation) are expected to be the primary target organs of this product.

Ingredients as Carcinogens: To the best of our knowledge, this product does not contain any substances that are considered by OSHA, NTP, IARC, or ACGIH to be 'probable' or 'suspected' human carcinogens.

Section #12: Ecological Information

No data available.

Section #13: Disposal Considerations

Best route is to use product for its originally intended purpose.

Dispose of in accordance with applicable environmental standards and in accordance with all local, state, and federal laws and regulations.

Safety Data Sheet

Product Name: 3334

Revision Date: June 4, 2015

Continued from previous page...

Page 4 of 4

Section #14: Transport Information

DOT Proper Shipping Name: Not hazardous as regulated by DOT.

DOT Hazard Class: None

DOT UN Number:

DOT Label: Not Applicable

DOT Packing Group: None

The shipping name listed above applies to a 55 gallon drum size (~500 lbs) of the product offered for ground transport. This product may have more than one proper shipping name, depending on packaging, product properties, and mode of shipment. Refer to Section #16 as possible alternates may be listed.

Section #15: Regulatory Information

TSCA: All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

RCRA Hazard Class: No components of this product are listed.

CERCLA RQ: Listed "Sodium Hydroxide" RQ 1,000 Lbs.

SARA Title III

Extremely Hazardous Substance: No components of this product are listed.

Hazardous Substance: Hazard Due To: Irritant

Hazard Catagorization: Sudden Release of Pressure Immediate (Acute) Health
 Reactive Delayed (Chronic) Health
 Fire

Section 313 Chemicals: No components of this product are listed.

STATE RIGHT-TO-KNOW

Chemical Name	CAS Number	List
Sodium Hydroxide	1310-73-2	MA,MN,NY,PA1,PA3

MA=Massachusetts Hazardous Substance MN=Minnesota Hazardous Substance NY=New York Hazardous Substance PA1=Pennsylvania Hazardous Substance (present at greater than or equal to 1%) PA3=Pennsylvania Environmental Hazardous Substance (present at greater than or equal to 1%)

Section #16: Other Information

Revision Date: June 4, 2015

We believe that the statements, technical information, and recommendations contained herein are reliable. However, since data, safety standards, and government regulations are subject to change and conditions of handling and of use or misuse are beyond our control, and since health and safety precautions given may not be adequate for all individuals and/or situations, we make no warranty, either expressed or implied, with respect to the continuing accuracy of the information contained herein.

Safety Data Sheet

Product Name: 3334

Revision Date: June 4, 2015

Continued from previous page...

Page 4 of 4

Section #14: Transport Information

DOT Proper Shipping Name: Not hazardous as regulated by DOT.

DOT Hazard Class: None

DOT UN Number:

DOT Label: Not Applicable

DOT Packing Group: None

The shipping name listed above applies to a 55 gallon drum size (~500 lbs) of the product offered for ground transport. This product may have more than one proper shipping name, depending on packaging, product properties, and mode of shipment. Refer to Section #16 as possible alternates may be listed.

Section #15: Regulatory Information

TSCA: All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

RCRA Hazard Class: No components of this product are listed.

CERCLA RQ: Listed "Sodium Hydroxide" RQ 1,000 Lbs.

SARA Title III

Extremely Hazardous Substance: No components of this product are listed.

Hazardous Substance: Hazard Due To: Irritant

Hazard Catagorization: Sudden Release of Pressure Immediate (Acute) Health
 Reactive Delayed (Chronic) Health
 Fire

Section 313 Chemicals: No components of this product are listed.

STATE RIGHT-TO-KNOW

Chemical Name	CAS Number	List
Sodium Hydroxide	1310-73-2	MA,MN,NY,PA1,PA3

MA=Massachusetts Hazardous Substance MN=Minnesota Hazardous Substance NY=New York Hazardous Substance PA1=Pennsylvania Hazardous Substance (present at greater than or equal to 1%) PA3=Pennsylvania Environmental Hazardous Substance (present at greater than or equal to 1%)

Section #16: Other Information

Revision Date: June 4, 2015

We believe that the statements, technical information, and recommendations contained herein are reliable. However, since data, safety standards, and government regulations are subject to change and conditions of handling and of use or misuse are beyond our control, and since health and safety precautions given may not be adequate for all individuals and/or situations, we make no warranty, either expressed or implied, with respect to the continuing accuracy of the information contained herein.