

Safety Data Sheet

Product Name: 3022

Revision Date: June 4, 2015

Continued from previous page...

Page 2 of 4

Section #3: Composition/Information on Ingredients

Chemical Name	CAS Number	Weight %	OSHA PEL	ACGIH TLV
<input checked="" type="checkbox"/> Potassium Hydroxide	1310-58-3	<0.01%	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.

Section #4: First Aid Measures

EMERGENCY OVERVIEW: Essentially non-hazardous to humans

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: Not applicable.

Ingestion: Rinse mouth with copious amounts of water or milk.
Consult physician - get medical attention.

Potential Health Effects: See Section 11 for toxicological data

Effects of Acute Exposure: Eye: Irritation may occur
Skin: Irritation may occur
Inhalation: Vapors are essentially all water.
Ingestion: Small amounts swallowed incidental to normal handling operations are not likely to cause injury, swallowing larger amounts than that may cause injury!

Effects of Chronic Exposure: None known.
Normal use of this product does not result in chronic exposure.

Medical Conditions Generally Aggravated by Exposure: Some asthmatics may have allergic reactions.

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: Product will not burn.
Use media suitable for surrounding fire.

Unusual Fire and Explosive Hazards: Gases containing sulfur may be released from decomposition of products residue.

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: Small spills: Wash area with water. Water must go to a treatment plant not to the environment.
Large spills: Dike or contain material and recover it for use as originally intended.
Wash area with water. Water must go to a treatment plant, not to the environment.

Disposal: Dispose of in accordance with applicable environmental standards.

Safety Data Sheet

Product Name: 3022

Revision Date: June 4, 2015

Continued from previous page...

Page 2 of 4

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"/> Potassium Hydroxide	1310-58-3	<0.01%	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.

Section #4: First Aid Measures

EMERGENCY OVERVIEW: Essentially non-hazardous to humans

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: Not applicable.

Ingestion: Rinse mouth with copious amounts of water or milk.
Consult physician - get medical attention.

Potential Health Effects: See Section 11 for toxicological data

Effects of Acute Exposure: Eye: Irritation may occur
Skin: Irritation may occur
Inhalation: Vapors are essentially all water.
Ingestion: Small amounts swallowed incidental to normal handling operations are not likely to cause injury, swallowing larger amounts than that may cause injury

Effects of Chronic Exposure: None known.
Normal use of this product does not result in chronic exposure.

Medical Conditions Generally Aggravated by Exposure: Some asthmatics may have allergic reactions.

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: Product will not burn.
Use media suitable for surrounding fire.

Unusual Fire and Explosive Hazards: Gases containing sulfur may be released from decomposition of products residue.

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: Small spills: Wash area with water. Water must go to a treatment plant not to the environment.
Large spills: Dike or contain material and recover it for use as originally intended.
Wash area with water. Water must go to a treatment plant, not to the environment.

Disposal: Dispose of in accordance with applicable environmental standards.

Safety Data Sheet

Product Name: 3022

Revision Date: June 4, 2015

Continued from previous page...

Page 3 of 4

Section #7: Handling and Storage

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

Precautions to be Taken in Storage: Store in cool, dry place.
Avoid temperatures above 120°F.
Normal shelf life 1 year.

Section #8: Exposure Controls / Personal Protection

Permissible Exposure Limits: OSHA PEL = 2 mg/m³ (Potassium Hydroxide)

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

Eye Protection: Chemical safety goggles.

Skin Protection: Rubber gloves.

Respiratory Protection: Use adequate ventilation.

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: Dark Liquid

Odor: None

Odor Threshold: No Information Available.

pH (1% sol'n, unless noted): 9-10

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

Boiling Point (deg. F): Greater than 212

Flash Point: Not Applicable

Evaporation Rate: Similar To Water

Flammability (NFPA Rating): 0

Flammable Limits: Not Applicable

Vapor Pressure: Similar To Water

Vapor Density: Similar To Water

Relative Density: No Information Available.

Solubility in Water: Complete

Partition Coefficient: No Information Available.

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

Decomposition (deg. F): No Information Available.

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: Sulfur containing gases.

Section #11: Toxicological Information

Not expected to be toxic.

Allergic reaction may occur in some asthmatics.

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.

Safety Data Sheet

Product Name: 3022

Revision Date: June 4, 2015

Continued from previous page...

Page 4 of 4

Section #13: Disposal Considerations

Best route is to use product for its originally intended purpose.
Dispose of in accordance with applicable environmental standards.

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.

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: Not Listed

SARA Title III

Extremely Hazardous Substance: Not listed

Hazardous Substance: Hazard Due To Irritant

Hazard Catagorization: Sudden Release of Pressure Immediate (Acute) Health

Reactive Delayed (Chronic) Health

Fire

Section 313 Chemicals: Not listed

STATE RIGHT-TO-KNOW

Section #16: Other Information

Revision Date: June 4, 2015

None

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.