

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Distributor: John W. Gaspirini Inc. P.O. Box 121554, Fort Worth, TX 76121 Tel: 1-866-767-6865 Web Site: www.Markspp.com E-mail: sales@markspp.com	For any transportation or medical chemical emergencies call: <p style="text-align: center;">INFOTRAC</p> <p style="text-align: center;">(800) 535-5053</p> <p style="text-align: center;">24 hours per day - 7 days a week</p>
Product Name: Mark's Crystalline Drain Opener #33453	Recommended Use: For cleaning small drains, grease traps and septic systems

SECTION 2 - HAZARD(S) IDENTIFICATION

<p style="text-align: center;"><u>Label</u></p> <div style="text-align: center;"> </div> <p style="text-align: center;"><u>Signal word</u></p> <p style="text-align: center;">DANGER</p>	<p style="text-align: center;"><u>NFPA</u></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>HEALTH HAZARD</p> <p>4 Deadly 3 Extreme Danger 2 Hazardous 1 Slightly Hazardous 0 Normal Material</p> </div> <div style="width: 45%;"> <p>FIRE HAZARD Flash Points</p> <p>4 Below 73°F (Boiling pt. below 100°F) 3 Below 73°F (Boiling pt. at/above 100°F) and/or at/above 73°F - not exceeding 100°F 2 Above 100°F, Not exceeding 200°F 1 Above 200°F 0 Will not burn</p> </div> </div> <div style="text-align: center;"> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SPECIFIC HAZARD</p> <p>Oxidizer OX Use NO WATER W Simple Asphyxiant SA</p> </div> <div style="width: 45%;"> <p>INSTABILITY</p> <p>4 May detonate 3 Shock and heat may detonate 2 Violent chemical changes 1 Unstable if heated 0 Stable</p> </div> </div>	<p style="text-align: center;"><u>HMIS</u></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>HEALTH 3</p> <p>FLAMMABILITY 0</p> <p>REACTIVITY 1</p> <p>PPE G</p> </div> <div style="width: 35%;"> <p>0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Serious Hazard 4 Severe Hazard</p> </div> </div>
<p style="text-align: center;"><u>Health</u></p> <p>Acute Toxicity: N/A Skin Corrosion: Cat. 2 Eye Irritation: Cat. 2A Skin Sensitization: NO</p>	<p style="text-align: center;"><u>Environmental</u></p> <p>Acute Toxicity: N/A Chronic Toxicity: N/A</p>	<p style="text-align: center;"><u>Physical</u></p> <p>Flammability: N/A Other: N/A</p>
<p style="text-align: center;"><u>Hazardous Statement</u></p> <p>CAUSES SEVERE BURNS. HARMFUL OR FATAL IF SWALLOWED. Contains Sodium Hydroxide</p>		<p style="text-align: center;"><u>Precautionary Statement</u></p> <p>AVOID CONTACT WITH EYES, SKIN, MUCUS MEMBRANES AND CLOTHING. Keep out of reach of children.</p>

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Chemicals</u>	<u>CAS #</u>	<u>EINECS#</u>	<u>Approx %</u>
SODIUM HYDROXIDE	1310-73-2	215-185-5	100%
<p>Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirement of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.</p>			

MATERIAL SAFETY DATA SHEET

SECTION 4 - FIRST-AID MEASURES

Inhalation: Call a physician or poison control center immediately. Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin: Wash off immediately with soap and plenty of water, remove all contaminated clothes and shoes. Consult a physician.

Eyes: Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

Ingestion: Call a physician immediately. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Note to physician: Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

SECTION 5 - FIRE-FIGHTING MEASURES

<u>Extinguishing Media</u>		<u>Specific Hazards</u>	<u>Protective Equipment</u>
<u>Suitable</u>	<u>Unsuitable</u>	Causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. Substance with react with water (some violently), releasing corrosive and/or toxic gases.	Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
As appropriate.	-----		
<u>Special Firefighting Procedures</u>			
In the event of fire and/or explosion do not breath fumes.			

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Avoid dust formation.
Protective Equipment:	None.
Emergency Procedures:	None.
Environmental Precautions:	Prevent material from entering waterway.
Methods for Cleaning-Up:	Prevent further leakage or spillage if safe to do so. Prevent dust cloud. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Clean contaminated surfaces thoroughly.
Other Precautions:	Do not get water inside containers. Refer to protective measures listed in Sec. 7 and 8.

SECTION 7 - HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Wear personal protective equipment. Ensure adequate ventilation . Avoid contact with skin, eyes and clothing. Do not breath vapors/dust. Remove and wash contaminated clothing before re-use.	Keep containers tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep out of reach of children.

MATERIAL SAFETY DATA SHEET





SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Components</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH-TLV</u>	<u>OSHA-PEL</u>
SODIUM HYDROXIDE		2 mg/m3	2 mg/m3
<u>Personal Protective Equipment</u>			
Respiratory Protection:	Use NIOSH approved respirators to prevent overexposure.		
Ventilation:	Local ventilation is adequate.		
Other Protective Equipment:	<u>Protective Gloves</u> Impervious Gloves.	<u>Eyes and Face Protection</u> Tightly Fitted Safety Goggles OR Face Shield.	<u>Other Protective Equipment</u> Impervious Clothing.
Other Precautions:	None.		
<u>Engineering Controls</u>			
Showers. Eyewash stations. Ventilation systems. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes and clothing. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing.			

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	White	Volatile by Volume:	N/A
Odor:	Odorless	Vapor Pressure:	N/A
Odor Threshold:	N/A	Vapor Density:	N/A
pH:	N/A	Relative Density:	N/A
Melting/Freezing Point:	N/A	Solubility:	Soluble
Boiling Point:	1390 °C / 2534 °F	Partition Coefficient: n-octanol/water:	N/A
Boiling Range:	N/A	Auto-ignition Temperature:	N/A
Flash Point:	N/A	Specific Gravity (H2O=1):	2.1
Evaporation Rate:	N/A	Viscosity:	N/A
Flammability:	N/A	VOC:	0 g/l
Flammability Limits:	LEL: N/A ; UEL: N/A		

SECTION 10 - STABILITY AND REACTIVITY

<u>Stability</u>		<u>Hazardous Polymerization</u>		<u>Conditions To Avoid</u>
Stable	Unstable	May Occur	Will Not Occur	Exposure to air or moisture over prolonged periods. Avoid dust formation.
				
<u>Incompatible Materials</u>			<u>Hazardous Decomposition Products</u>	
Aluminum, Tin, Lead, Zinc, and their alloys and all acids.			Reaction with various food sugars may form carbon dioxide.	

MATERIAL SAFETY DATA SHEET

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure	Symptoms/Effects
Inhalation <input checked="" type="checkbox"/>	Harmful by inhalation. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Aspiration into lungs can produce severe lung damage.
Skin Contact <input checked="" type="checkbox"/>	Causes burns.
Eye Contact <input checked="" type="checkbox"/>	Causes burns. Corrosive to the eyes and may cause severe damage including blindness.
Ingestion <input type="checkbox"/>	Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. Can burn mouth, throat, and stomach.

Long-Term Effects: N/A

Medical conditions aggravated by exposure: None.

Hazardous Components	Toxicity <u>LD₅₀</u>	<u>LC₅₀</u>
SODIUM HYDROXIDE	Oral : 140 mg/kg (rat) ; Dermal : 1,350 mg/kg (rabbit)	N/A

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None.
Persistence & Degradability:	None.
Bioaccumulative Potential:	None.
Mobility in Soil:	None.
Other Adverse Effects:	Possible risks of irreversible effects.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Shipping Information		Exception: This product, when packaged and distributed in a quantity and form intended or suitable for retail sale and designed for consumption by individuals for their personal care or household use purposes, may qualify as a "Consumer Commodity". As such, it can then be exempted from certain labeling, packaging and shipping requirements.
Shipping Name:	Sodium Hydroxide Solid	
Hazardous Class:	8	
I.D. Number:	UN1823	
Packing Group:	II	
Label Required:	Corrosive	
Marine Pollutant:	No	

SECTION 15 - REGULATORY INFORMATION

None.

SECTION 16 - OTHER INFORMATION

Disclaimer	Revision Date: 2018-11-06
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Mark's urges the customers receiving this Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheets. The information herein has been compiled from sources believed to be reliable, up-to-date, and is accurate to the best of our knowledge. However, Mark's cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use.	