



# SAFETY DATA SHEET

Product: **MARC 1 NITROUS THERMO HEAT-ACTIVATED DRAIN CLEANER**

Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 1 NITROUS THERMO HEAT-ACTIVATED DRAIN CLEANER**

SDS DATE: 11/01/18

SUPPLIER: Mid-American Research Chemical Corp. ADDRESS: P. O. Box 927 Columbus, NE 68602-0927  
PHONE: 402-564-7104 FAX: 403-563-1290  
EMERGENCY PHONE: InfoTrac 1-800-535-5053  
E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: For use in Drains, Grease Traps, Septic Systems.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Health: Skin Corrosion, Category 1A; Serious Eye Damage, Category 1



**HAZARD PICTOGRAM, SIGNAL WORD, HAZARD STATEMENTS AND PRECAUTIONARY STATEMENTS:** Causes severe skin burns and eye damage. May be harmful if inhaled. Keep only in original container. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Specific treatment - see supplemental first aid instructions on label. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. Storage: Store locked up. Disposal: Dispose of contents/container to an approved waste disposal plant.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>WT. PERCENT IS LESS THAN</u>
Sodium Hydroxide	1310-73-2	65%

## SECTION 4: FIRST AID MEASURES

**EYES:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**SKIN:** Remove/take off contaminated clothing. Rinse skin with water / shower for 10 – 15 minutes. Call a POISON CENTER or doctor/physician.  
Remove and wash contaminated clothing before re-use.

**INGESTION:** **DO NOT INDUCE VOMITING!** Contact physician or Emergency Services immediately. Drink large quantities of water, followed by milk, milk of magnesia, fruit juices, egg whites, diluted vinegar, vegetable oil, or a baking soda solution. Never give anything by mouth to an unconscious person.

**INHALATION:** If breathing, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** N/A

## SECTION 5: FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**SPECIAL FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.



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**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Is NOT sensitive to static discharge.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No data available.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**EMERGENCY PROCEDURES:** No action should be taken involving any personal risk or without suitable training. Evacuate surrounding area. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. (See Section 8 Exposure Controls/Personal Protection).

**PROTECTIVE EQUIPMENT:** Avoid breathing vapors and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber boots).

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** See Emergency Procedures above and Release Notes below.

**RELEASE NOTES:** Take steps to avoid release into the environment, if safe to do so.

## SECTION 7: HANDLING AND STORAGE

**GENERAL HANDLING:** Ensure adequate ventilation. Wear personal protective equipment as required based on a risk assessment. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

**OTHER PRECAUTIONS:** **KEEP OUT OF REACH OF CHILDREN! Read Label Directions Carefully!**

**STORAGE:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES

#### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

#### EXPOSURE LIMITS

Chemical Name		OSHA PEL		SUPPLIER OEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Sodium Hydroxide	TWA		2	NL	NL
	STEL			NL	NL

**ENGINEERING CONTROLS:**

**VENTILATION:** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.



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- RESPIRATORY PROTECTION:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- EYE PROTECTION:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.  
Recommended: splash goggles with the use of any liquid products.
- SKIN PROTECTION/PROTECTIVE GLOVES:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Wear boots and impervious clothing if necessary. Ensure that eyewash stations and safety showers are close to the workstation location.
- WORK HYGIENIC PRACTICES:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
- ENVIRONMENTAL EXPOSURE CONTROLS:** Take steps to avoid release into the environment, if safe to do so.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE- PHYSICAL STATE:</b>	Solid/Beads.
<b>COLOR:</b>	Orange colored pearls.
<b>ODOR:</b>	Citrus.
<b>ODOR THRESHOLD:</b>	N/A
<b>pH:</b>	13 to 14.
<b>MELTING POINT:</b>	318°C (604°F) lit.
<b>FREEZING POINT:</b> 14.0	NA = Not Applicable.
<b>BOILING POINT:</b>	NA = Not Applicable.
<b>FLASH POINT/METHOD USED:</b>	NA = Not Applicable.
<b>EVAPORATION RATE:</b>	No data available.
<b>FLAMMABILITY (solid, gas):</b>	N/A
<b>FLAMMABILITY LIMITS:</b>	No data available.
<b>VAPOR PRESSURE (mmHg):</b>	No data available.
<b>VAPOR DENSITY (AIR = 1):</b>	1.38
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	2.13 g/cm <sup>3</sup>
<b>SOLUBILITY IN WATER:</b>	1260 g/l at 20°C (68°F)
<b>PARTITION COEFFICIENT, n-OCTANOL/WATER:</b>	N/A
<b>AUTO-IGNITION TEMPERATURE:</b>	No data available.
<b>DECOMPOSITION TEMPERATURE:</b>	N/A
<b>VISCOSITY:</b>	No data available.

## SECTION 10: STABILITY AND REACTIVITY

- REACTIVITY:**
- STABILITY:** Stable under recommended storage conditions.
- CONDITIONS TO AVOID:** No data available.
- INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizing agents, strong acids, organic materials.
- HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** No data available.
- HAZARDOUS POLYMERIZATION:** None. **CONDITIONS TO AVOID (POLYMERIZATION):** None.



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## SECTION 11: TOXICOLOGICAL INFORMATION

**EYES:** Causes serious eye irritation.

**SKIN:** Causes severe skin burns.

**INGESTION:** May be harmful or fatal if swallowed.

**INHALATION:** May be harmful if inhaled

**TARGET ORGANS:** May cause damage to the following organs: lungs, gastrointestinal tract, upper respiratory tract, skin, eyes.  
Contains material which may cause damage to the following organs: eye, lens or cornea, stomach.

**ACUTE HEALTH HAZARDS:** No data available.

**CHRONIC:** No data available.

**SUBCHRONIC :** No data available.

### CARCINOGENICITY:

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

**REPEATED DOSE EFFECTS:** No data available.

**SENSITIZATION:** Will not occur.

**NEUROTOXICITY:** No data available.

**GENETIC EFFECTS:** No data available.

**REPRODUCTIVE EFFECTS:** No data available.

**TARGET ORGANS:** No data available.

**TERATOGENIC EFFECTS:** No data available.

**MUTAGENICITY:** No data available.

**SYNERGISTIC MATERIALS:** No data available.

## SECTION 12: ECOLOGICAL INFORMATION

**ENVIRONMENTAL EFFECTS:** **GENERAL COMMENTS:** Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**EMPTY CONTAINER:** Do not re-use empty containers.

## SECTION 14: TRANSPORT INFORMATION



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## U.S. DEPARTMENT OF TRANSPORTATION (for ground/non-bulk containers)

CONTAINER SIZE(S):	JAR/CANISTER	
PROPER SHIPPING NAME:	CLEANING COMPOUND	N.O.I., DRY
HAZARD CLASS:	N/A	
ID NUMBER:	N/A	
PACKING GROUP:	N/A	
LABEL STATEMENT:	LIMITED QUANTITY	

## SECTION 15: REGULATORY INFORMATION

### UNITED STATES



Limited  
Quantity  
Ground

### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

**311/312 HAZARD CATEGORIES:** Acute Health Hazard.

**313 REPORTABLE INGREDIENTS:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

<u>CHEMICAL NAME</u>	<u>WT. %</u>	<u>CERCLA RQ</u>
Sodium Hydroxide	<65	1,000

### TSCA (TOXIC SUBSTANCE CONTROL ACT):

<u>CHEMICAL NAME</u>	<u>CAS</u>
Sodium Hydroxide	1310-73-2

**CALIFORNIA PROPOSITION 65:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 3  
 Flammability = 0  
 Reactivity = 0  
 Other = -  
 Protection = C

REVISION DATE: 11/01/18

N/A = Not Applicable, N/D = Not Determined, N/E = Not Established

**DISCLAIMER:** While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.