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DATE OF ISSUE

3/16/2000

SUPERSEDES

12/04/1997

## SECTION I - GENERAL INFORMATION

Chemical Name &amp; Synonyms

N/A

Trade Name &amp; Synonyms

RESCUE DRAIN

Chemical Family:

ORGANIC EARTH SALTS

Formula Mixture --&gt; X

Manufacturer's Name:

CHEMSEARCH DIV. OF NCH CORP.

Address:

BOX 152170

IRVING, TX 75015

Prepared By:

R STOLLEY/CHEMIST

Product Code Number

M066

Emergency Phone Number

800-424-9300

## SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
SODIUM HYDROXIDE	CORR/MUT	2 MG/M3 \$1	2 MG/M3 2	NOT EST.	1310-73-2
SODIUM BISULFATE	IRRITANT	3 MG/M3\$\$1	1.5 MG/M3 2	NOT EST.	7681-38-1
MONOSODIUM PHOSPHATE ANHYDRUS	IRRITANT	3 MG/M3\$\$1	5 MG/M3\$\$2	NOT EST.	7558-80-7
ALKYL NAPHTHALENE SULFONATE	IRRITANT	3 MG/M3\$\$1	5 MG/M3\$\$2	NOT EST.	\$\$\$
\$ ACGIH STEL (CEILING) VALUE \$ \$ ENOC					
\$\$\$ DENOTES TRADE SECRET					

## SECTION IIa - NON-HAZARDOUS INGREDIENTS

(NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE)

Secret Registry #: 409363-6002P

## SECTION III - PHYSICAL DATA

Boiling Point (F):	N/A	Specific Gravity (H2O=1):	N/A
Vapor Pressure (MM HG):	N/A	Color:	LIGHT YELLOW
Vapor Density (Air=1):	N/A	Odor:	CITRUS
PH @ 100% :	14 @10%	Clarity:	OPAQUE
% Volatile by Volume:	NIL	Evaporation Rate (BU A/C=1):	N/A
H2O Solubility:	APPRECIABLE	Viscosity:	GRANULAR

## SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point	Flammable Limits	LEL	UEL
NON-FLAM / N/A	HYDROGEN GAS	4%	75%

Extinguishing Media

X &lt;--Foam X &lt;--Alcohol Foam X &lt;--CO2 X &lt;--Dry Chemical X &lt;--Water Spray X &lt;--Other

Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE.

Unusual Fire and Explosion Hazards:

PROLONGED CONTACT WITH REACTIVE METALS, SUCH AS ALUMINUM, ZINC, MAGNESIUM AND COPPER, CAN CAUSE THE FORMATION OF FLAMMABLE HYDROGEN GAS WHICH CAN FORM AN EXPLOSIVE MIXTURE WITH AIR.

Aerosol Level (NFPA 30B): N/A

NFPA 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

3 &lt;--Health 0 &lt;--Flammability 1 &lt;--Instability W &lt;--Special

## SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

-Acute (Short Term Exposure)

CONTACT: CORROSIVE. CAUSES BURNS, CORNEAL DAMAGE AND POSSIBLE BLINDNESS. INGESTION: CORROSIVE. CAUSES BURNS TO THE MOUTH, THROAT, ESOPHAGUS AND GASTROINTESTINAL MEMBRANES WITH NAUSEA, PAIN AND VOMITING. INHALATION: MAY CAUSE BURNS TO THE RESPIRATORY TRACT, NOSE, MOUTH, LUNGS AND THROAT, WITH DISCOMFORT, NASAL DISCHARGE, SNEEZING, COUGHING AND CHEST PAIN. EXCESSIVE INHALATION MAY CAUSE CHEMICAL PNEUMONIA. SKIN CONTACT: CORROSIVE. CAUSES BURNS AND POSSIBLE DEEP ULCERATIONS OR SCARRING.

-Chronic (Long Term Exposure)

NO HUMAN CHRONIC EFFECTS KNOWN. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS SUCH AS ASTHMA, EMPHYSEMA,

## MATERIAL SAFETY DATA SHEET: RESCUE DRAIN

## SECTION V - HEALTH HAZARD DATA (Continued)

AND DERMATITIS. TARGET ORGANS: NONE KNOWN. THERE IS NO PRIMARY ROUTE OF ENTRY INTO THE BODY. THE PRIMARY ROUTE OF EXPOSURES ARE SKIN AND EYE CONTACT.

Primary Routes of Entry: <--Inhalation <--Ingestion <--Absorption

## Emergency and First Aid Procedures:

## -Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. HAVE THE PERSON BLOW THEIR NOSE TO REMOVE THE SUBSTANCE FROM THE NASAL PASSAGES AND DISCOURAGE FROM INHALING FURTHER. IF NOT BREATHING, CLEAR THE AIRWAY AND START MOUTH TO MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

## -Eye Contact:

IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

## -Skin Contact:

IMMEDIATELY WIPE AWAY MATERIAL WITH A CLOTH WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH THOROUGHLY WITH LARGE AMOUNTS OF SOAP AND WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. DISCARD OR CLEAN CLOTHING AND SHOES.

## -Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

## -Notes to Physician:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

## SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:  
IARC--> No NTP--> No OSHA--> No ACGIH--> No OTHER--> No

MONOSODIUM PHOSPHATE ANHYDROUS  
SKN-RBT SDT: 0.0/8.0 NON IRRITATING 3.  
EYE-RBT SDT: 1.3/110 PRACTICALLY NON-IRRITATING 3.  
ORL-RAT LD50: 7100 MG/KG 3.  
SKN-RBT LD50: > 7940 MG/KG 3.  
ALKYL NAPHTHALENE SULFONATE  
NOT TOXICITY DATA AVAILABLE  
SODIUM HYDROXIDE  
EYE-RBT SDT: 50 UG/24H SEVERE 4.  
SKN-RBT SDT: 500 MG/24H SEVERE 4.  
ORL-RBT LDLO: 500 MG/KG 4.  
MUTAGENICITY: CYTOGENETIC ANALYSIS-HAM LUNG: 10 MMOL/L 4.  
SODIUM BISULFATE  
ORL-RAT LD50: 2800 MG/KG 3.  
VOC CONTENT: 0.05 LBS/GAL (6.5 G/L)

## SECTION VII - REACTIVITY DATA

Stability: X <--Stable <--Unstable

## Conditions to Avoid:

DAMP OR WET CONDITIONS AS WATER WILL CAUSE CAKING AND THE GENERATION OF HEAT.

## Incompatibility (Materials to Avoid):

OXIDIZING AGENTS, REDUCING AGENTS, ACIDS, TIN, ALUMINUM, ZINC CHROMIUM, BRASS, BRONZE, MAGNESIUM AND WATER

## Hazardous Decomposition Products:

OXIDES OF CARBON AND SULFUR. HYDROGEN GAS MAY ALSO BE LIBERATED WHEN EXPOSED TO REACTIVE METALS.

## Hazardous Polymerization:

<--May Occur X <--Will Not Occur

## Conditions to Avoid:

N/A

## SECTION VIII - SPILL OR LEAK PROCEDURES

## Steps to be Taken if Material is Released or Spilled:

WEAR APPROPRIATE PROTECTIVE CLOTHING. TRANSFER SOLID INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. AVOID CREATING DUSTY CONDITIONS.

## Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

## Neutralizing Agent:

USE DILUTE ACIDS SUCH AS HYDROCHLORIC ACID, OR VINEGAR. ADD CAUTIOUSLY WHILE MIXING.

## SECTION IX - SPECIAL PROTECTION INFORMATION

## Required Ventilation:

GENERAL MECHANICAL VENTILATION IS NORMALLY ADEQUATE.

## Respiratory Protection:

NONE REQUIRED UNDER NORMAL CONDITIONS OF USE. A NIOSH/MSHA APPROVED RESPIRATOR IN POORLY VENTILATED AREAS AND/OR FOR EXPOSURE ABOVE THE ACGIH TLV OR OSHA PEL OR WHERE DUSTING EXISTS.

## Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES SHOULD BE WORN.

## Eye Protection:

CHEMICAL GOGGLES AND A FACE SHIELD SHOULD BE WORN.

## Other Protection:

A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE. WEAR PROTECTIVE CLOTHING.

## SECTION IX - SPECIAL PROTECTION INFORMATION (Continued)

## SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors--> X                      Outdoors-->                      Heated-->                      Refrigerated-->  
 Minimum Temperature: N/A                      Maximum Temperature: N/A

## Precautions to be Taken in Handling and Storing:

ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT STORE IN DAMP OR MOIST CONDITIONS AS PRODUCT MAY CAKE OR CLUMP AND GENERATE HEAT. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUES WHICH MAY EXHIBIT THE HAZARDS OF THE PRODUCT.

## Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT.

## SECTION XI - REGULATORY INFORMATION

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Upper &amp; Limit</u>
None		

Those ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer.  
 This MSDS is not intended for users in the state of California.

## SECTION XII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1999.
  2. OSHA FEL.
  3. VENDOR'S MSDS.
  4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2000.
- ALL COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.

IRR: IRRITANT, FLAM/FLAMM: FLAMMABLE, COMB: COMBUSTIBLE, CORR: CORROSIVE  
 CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED,  
 COC: CLEVELAND OPEN CUP, PMCC: PENSKEY-MARTIN CLOSED CUP, TCC: TAGLIABUE  
 CLOSED CUP, LEL: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT,  
 NFPA: NATIONAL FIRE PROTECTION ASSOCIATION, IARC: INTERNATIONAL AGENCY FOR  
 THE RESEARCH ON CANCER, NTP: NATIONAL TOXICOLOGY PROGRAM, OSHA: OCCUPATIONAL  
 SAFETY & HEALTH ADMINISTRATION, ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL  
 INDUSTRIAL HYGIENISTS, TLV: THRESHOLD LIMIT VALUE, PEL: PERMISSIBLE EXPOSURE  
 LIMIT, STEL: SHORT-TERM EXPOSURE LIMIT, MLD: MILD, MOD: MODERATE, SEV: SEVERE,  
 MUT: MUTAGENIC, ASPHYX: ASPHYXIANT, PNOC: PARTICULATES NOT OTHERWISE CLASSI-  
 FIED, SPT: STANDARD DRAYER TEST, ORL: ORAL, HMD: HUMAN, IHD: INHALATION

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORMULATION. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

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