For Emergency Assistance involving chemicals call - CHEMTREC (800) 424-9300

The Version Date for this MSDS is: 11/23/1998

PRODUCT NAME:
S - 25, SODIUM META SILICATE ANHYDROUS

MSDS #: OC5420

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : S - 25, SODIUM META SILICATE ANHYDROUS

MANUFACTURER'S OCCIDENTAL CHEMICAL CORPORATION, OCCIDENTAL TOWER
NAME AND
ADDRESS : 5005 LBJ FREEWAY, P.O. BOX 909050
DALLAS, TX 75380
(972) 404-3800

24 HOUR EMERGENCY TELEPHONE : 1-800-733-3665 OR 972-404-3228

TO REQUEST AN MSDS : 1-800-699-4970

CUSTOMER SERVICE : 1-800-752-5151

PRODUCT USE : DETERGENTS, INDUSTRIAL CLEANERS

CHEMICAL NAME : SODIUM META SILICATE ANHYDROUS

CHEMICAL FORMULA : NA2SiO3

SYNONYMS/COMMON NAMES : ANHYDROUS META SILICATE
SODIUM META SILICATE ANHYDROUS

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NUMBER / NAME
6034-92-6 SILICIC ACID (H2SiO3), DISODIUM SALT

EXPOSURE LIMITS
PEL: NOT ESTABLISHED
TWA: NOT ESTABLISHED

PERCENTAGE
VOL: ND
WT: 95-99.5

COMMON NAMES:
SODIUM META SILICATE

LISTED ON (LIST LEGEND BELOW):
00 19 22 23 50 51

http://commerce.vopakusa.com/commerce/IndustrialChemical?action=DisplayProductDocum... 1/21/02
LIST LEGEND
00 TSCA INVENTORY 19 PA REQUIREMENT- 3% OR GREATER
22 CANADIAN DOMESTIC SUB-LIST 23 NJ REQUIREMENT- 1% OR GREATER
50 PHILIPPINES INVENTORY (PICCS) 51 EINECS

3. HAZARDS IDENTIFICATION

******************** EMERGENCY OVERVIEW ********************
* * * * * * * * * * * * * * * * * * * * * * * * * * * *
* MAY CAUSE PERMANENT EYE DAMAGE. CORROSIVE TO EYES, SKIN,
* RESPIRATORY AND DIGESTIVE TRACT.
* *
* WHITE GRANULAR SOLID, NO ODOR.
* *
******************** ************************

POTENTIAL HEALTH EFFECTS

ROUTES OF ENTRY:
INGESTION, INHALATION.

TARGET ORGANS:
EYES, SKIN, RESPIRATORY TRACT, GASTROINTESTINAL TRACT.

IRRITANCY:
SEVERE, POTENTIALLY BY ALL ROUTES OF EXPOSURE.

SENSITIZING CAPABILITY:
NONE KNOWN.

REPRODUCTIVE EFFECTS:
NONE KNOWN.

CANCER INFORMATION:
NONE KNOWN.

SHORT-TERM EXPOSURE (ACUTE)

INHALATION:
MAY CAUSE COUGHING, SNEEZING OR OTHER SYMPTOMS OF UPPER RESPIRATORY
TRACT IRRITATION. EXPOSURE MAY RESULT IN LUNG TISSUE DAMAGE DUE TO
CORROSIVE EFFECTS.

EYES:
OVEREXPOSURE WILL CAUSE SEVERE BURNS AND POTENTIAL PERMANENT DAMAGE.

SKIN:
CONTACT MAY CAUSE BURNS AND TISSUE DESTRUCTION.

EXPOSURE CAN CAUSE BURNS WHICH ARE NOT IMMEDIATELY PAINFUL OR VISIBLE.

INGESTION:
CAN CAUSE SEVERE BURNS TO THE MUCOUS MEMBRANES OF THE DIGESTIVE TRACT.

REPEATED EXPOSURE (CHRONIC)
NO KNOWN CHRONIC EFFECTS.

SYNERGISTIC MATERIALS:
NONE KNOWN.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
NONE KNOWN.

4. FIRST AID MEASURES

EYES:
IMMEDIATELY FLUSH EYES WITH A DIRECTED STREAM OF WATER FOR AT LEAST 15
MINUTES, FORCIBLY HOLDING EYELIDS APART TO ENSURE COMPLETE IRRIGATION
OF ALL EYE AND LID TISSUE. WASHING EYES WITHIN SEVERAL SECONDS IS
ESSENTIAL TO ACHIEVE MAXIMUM EFFECTIVENESS. GET MEDICAL ATTENTION
IMMEDIATELY.

SKIN:
FLUSH THOROUGHLY WITH COOL WATER UNDER SHOWER WHILE REMOVING
CONTAMINATED CLOTHING AND SHOES. DISCARD NON-RUBBER SHOES. WASH
CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION AS SOON AS POSSIBLE.

INHALATION:
REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, HAVE TRAINED PERSON
ADMINISTER OXYGEN. IF RESPIRATION STOPS, HAVE A TRAINED PERSON
ADMINISTER ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION:
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF SWALLOWED,
DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. (IF
AVAILABLE, GIVE SEVERAL GLASSES OF MILK.) IF VOMITING OCCURS
SPONTANEOUSLY, KEEP AIRWAY CLEAR AND GIVE MORE WATER. GET MEDICAL
ATTENTION IMMEDIATELY.

NOTES TO PHYSICIAN:
NO SPECIALIZED PROCEDURES. TREAT FOR CLINICAL SYMPTOMS.

5. FIRE FIGHTING MEASURES

FLASH POINT: NONFLAMMABLE

METHOD: NOT APPLICABLE

AUTOIGNITION TEMPERATURE: NONFLAMMABLE

FLAMMABLE LIMITS IN AIR, BY % VOLUME
UPPER: NOT APPLICABLE
LOWER: NOT APPLICABLE

EXTINGUISHING MEDIA:
NON-FLAMMABLE / NON-COMBUSTIBLE.

USE AGENTS APPROPRIATE FOR SURROUNDING FIRE.

FIRE FIGHTING PROCEDURES:
WEAR NIOSH/MSHA APPROVED POSITIVE-PRESSURE-SELF-CONTAINED-BREATHING
APPARATUS AND FULL PROTECTIVE CLOTHING.

FIRE AND EXPLOSION HAZARD:
DIRECT CONTACT WITH WATER CREATES HEAT AND MAY CAUSE SPATTERING.

SENSITIVITY TO MECHANICAL IMPACT:
NOT SENSITIVE.

SENSITIVITY TO STATIC DISCHARGE:
NOT SENSITIVE.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:
EVACUATE UNNECESSARY PERSONNEL.

FOLLOW PROTECTIVE MEASURES PROVIDED UNDER PERSONAL PROTECTION IN
SECTION 8.

ENVIRONMENTAL PRECAUTIONS:
DO NOT FLUSH TO SEWER.

SPILLS OR RELEASES SHOULD BE REPORTED, IF REQUIRED, TO THE APPROPRIATE
LOCAL, STATE AND FEDERAL AGENCIES.

METHODS FOR CLEANING UP:
DRY MATERIAL CAN BE SHOVELLED UP, LIQUID MATERIAL CAN BE REMOVED WITH A
VACUUM TRUCK. NEUTRALIZE REMAINING TRACES WITH ANY DILUTE INORGANIC
ACID (HYDROCHLORIC, SULPHURIC OR ACETIC ACID). FLUSH SPILL AREA WITH
WATER FOLLOWED BY A LIBERAL COVERING OF SODIUM CARBONATE. ALL
CLEAN-UP MATERIAL SHOULD BE REMOVED FOR PROPER TREATMENT OR DISPOSAL.
SPILLS ON OTHER THAN PAVEMENT (E.G. DIRT OR SAND) MAY BE HANDLED BY
REMOVING THE AFFECTED SOIL AND PLACING IN APPROVED CONTAINERS.

7. HANDLING AND STORAGE

HANDLING:
WEAR PERSONAL PROTECTIVE EQUIPMENT AS DESCRIBED IN EXPOSURE
CONTROLS/PERSOAL PROTECTION (SECTION 8) OF THE MSDS.

DO NOT GET IN EYES, ON SKIN OR CLOTHING.

AVOID BREATHING AIRBORNE PARTICULATES, WEAR RESPIRATORY PROTECTION
WHEN EXPOSURE IS POSSIBLE.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

AVOID CONTACT WITH ACIDS.

SPECIAL MIXING AND HANDLING INSTRUCTIONS:
DO NOT ALLOW CONTACT WITH MATERIALS AS NOTED IN SECTION 10.

DIRECT CONTACT WITH WATER CREATES HEAT AND MAY CAUSE SPATTERING.

ALWAYS ADD PRODUCT SLOWLY TO LIQUID SURFACE, WITH CONSTANT STIRRING TO
ASSURE THAT PRODUCT IS COMPLETELY DISSOLVED AS IT IS ADDED TO
DISSIPATE HEAT.

STORAGE:
KEEP CONTAINER TIGHTLY CLOSED AND PROPERLY LABELED.

DO NOT STORE IN ALUMINUM CONTAINER OR USE ALUMINUM FITTINGS OR
TRANSFER LINES, AS FLAMMABLE HYDROGEN GAS CAN BE GENERATED.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:
USE ADEQUATE LOCAL EXHAUST VENTILATION WHERE DUST, MIST OR SPRAY MAY BE GENERATED.

PERSONAL PROTECTION

RESPIRATORY:
WEAR A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, WHERE AIRBORNE CONTAMINANTS MAY OCCUR.

EYE/FACE:
WEAR CHEMICAL SAFETY GOGGLES PLUS FULL FACE SHIELD TO PROTECT AGAINST CONTACT WHEN APPROPRIATE (ANSI Z87.1).

SKIN:
WEAR PROTECTIVE CLOTHING TO MINIMIZE SKIN CONTACT.

WEAR CHEMICAL-RESISTANT GLOVES SUCH AS RUBBER, NEOPRENE OR VINYL.

WASH CONTAMINATED CLOTHING AND DRY BEFORE REUSE.

OTHER:
EMERGENCY SHOWER AND EYEWASH FACILITY SHOULD BE IN CLOSE PROXIMITY (ANSI Z358.1).

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: WHITE GRANULAR SOLID, NO ODOR.

ODOR THRESHOLD: NOT AVAILABLE

SPECIFIC GRAVITY (WATER=1): NOT AVAILABLE

VAPOR PRESSURE: NOT APPLICABLE

VAPOR DENSITY (AIR=1): NOT APPLICABLE

DENSITY: 54 - 62 LBS./CU. FT. (LOOSE)

EVAPORATION RATE: NOT APPLICABLE

% VOLATILES BY WT: NOT APPLICABLE

BOILING POINT: NOT APPLICABLE

FREEZING POINT: NOT APPLICABLE

MELTING POINT: 1089 C (1992 F)

SOLUBILITY IN WATER (% BY WT.): 18

PH: 12.7 IN A 1% SOLUTION @ 20 C

OCTANOL/WATER PARTITION COEFFICIENT: NOT APPLICABLE

THERMAL DECOMPOSITION TEMPERATURE: NOT AVAILABLE

OTHER: NOT AVAILABLE

VOC (G/L. BY WT.): NOT APPLICABLE
10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:

____ STABLE ____ UNSTABLE

REACTS WITH:

____ AIR __ OXIDIZERS X METALS
____ WATER ____ ACIDS ____ OTHER
____ HEAT ____ ALKALIS ____ NONE

HAZARDOUS POLYMERIZATION:

____ OCCURS ____ WILL NOT OCCUR

COMMENTS:

AVOID CONTACT WITH ACIDS.

DIRECT CONTACT WITH WATER CREATES HEAT AND MAY CAUSE SPATTERING.

PROLONGED CONTACT WITH METALS, SUCH AS ALUMINUM, TIN, LEAD AND ZINC MAY PRODUCE FLAMMABLE HYDROGEN GAS.

HAZARDOUS DECOMPOSITION PRODUCTS:

NONE.

11. TOXICOLOGICAL INFORMATION

6834-92-0 SILICIC ACID (H2SiO3), DISODIUM SALT
ACUTE ORAL LD50: (RAT) 800 MG/KG

PRIMARY SKIN IRRITATION: (RABBIT, 24HR) 250 MG (SEVERE)

PRODUCT MAY BE CONSIDERED HIGHLY ALKALINE.

EXPOSURE TO THIS MATERIAL MAY BE EVALUATED AS:

PEL=2MG/M3 CEILING AS NAOH
TIN=2MG/M3 CEILING AS NAOH

SECTION THAT FOLLOWS HAS BEEN REVISED

12. ECOLOGICAL INFORMATION

6834-92-0 SILICIC ACID (H2SiO3), DISODIUM SALT

AQUATIC ECOTOX DATA

FISH:
LC50 (96 HR.) (MOSQUITOFISH) 530 MG/L

INVERTEBRATES:
LC50 (48 HR.) (WATER FLEA) 113 MG/L

LC50 (96 HR.) (SCUD) 160 MG/L

LC50 (28 DAY) (POLYCHAETA) 210-250 UG/L

TERRESTRIAL ECOTOX DATA

WILDLIFE:
LD50 (ORAL) (MOUSE) 770 MG/KG

ENVIRONMENTAL FATE DATA

BIOTIC:
BIODEG. INORGANIC, NOT SUBJECT TO BIODEGRADATION

WATER SOL. 100 %

THERE IS LIMITED INFORMATION AVAILABLE ON THE ENVIRONMENTAL FATE AND EFFECTS OF THIS MATERIAL. THIS MATERIAL HAS EXHIBITED MODERATE TOXICITY TO AQUATIC ORGANISMS, WHILE EXHIBITING SLIGHT TOXICITY TO TERRESTRIAL ORGANISMS. THIS COMPOUND IS INORGANIC AND NOT SUBJECT TO BIODEGRADATION. IT IS MISCELL IN WATER, NON-VOLATILE, AND WILL NOT BIOACCUMULATE IN ORGANISMS. THIS COMPOUND IS ALKALINE AND MAY RAISE THE PH OF SURFACE WATERS WITH LOW BUFFERING CAPACITY IF SPILLED. DUE CAUTION SHOULD BE EXERCISED TO PREVENT THE ACCIDENTAL RELEASE OF THIS MATERIAL TO THE ENVIRONMENT.

13. DISPOSAL CONSIDERATIONS

DISPOSE OF ALL WASTE AND CONTAMINATED EQUIPMENT IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL HEALTH AND ENVIRONMENTAL REGULATIONS.

14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: CORROSIVE SOLID, BASIC, INORGANIC, NOS (SODIUM METASILICATE ANHYDROUS)

DOT HAZARD CLASS: 8

DOT IDENTIFICATION NO: UN3262,

DOT PACKING GROUP: II

DOT HAZARDOUS SUBSTANCE: NOT APPLICABLE

DOT MARINE POLLUTANT: NO

ADDITIONAL DESCRIPTION REQUIREMENT: NOT APPLICABLE

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:
OSHA STANDARD 29 CFR 1910.1200 REQUIRES THAT INFORMATION BE PROVIDED TO EMPLOYEES REGARDING THE HAZARDS OF CHEMICALS BY MEANS OF A HAZARD COMMUNICATION PROGRAM INCLUDING LABELING, MATERIAL SAFETY DATA SHEETS, TRAINING AND ACCESS TO WRITTEN RECORDS. WE REQUEST THAT YOU, AND IT IS YOUR LEGAL DUTY TO, MAKE ALL INFORMATION IN THIS MATERIAL SAFETY DATA SHEET AVAILABLE TO YOUR EMPLOYEES.

TO AID OUR CUSTOMERS IN COMPLYING WITH REGULATORY REQUIREMENTS, SARA TITLE III HAZARD CATEGORIES FOR THIS PRODUCT ARE INDICATED BELOW. IF THE WORD "YES" APPEARS NEXT TO ANY CATEGORY, THIS PRODUCT MAY BE REPORTABLE BY YOU UNDER THE REQUIREMENTS OF 40 CFR 370. PLEASE CONSULT THOSE REGULATIONS FOR DETAILS.

TSCA:
ALL COMPONENTS OF THIS PRODUCT THAT ARE REQUIRED TO BE ON THE TSCA INVENTORY ARE LISTED ON THE INVENTORY.

SARA/TITLE III HAZARD CATEGORIES:
IMMEDIATE (ACUTE) HEALTH: YES REACTIVE HAZARD NO
DELAYED (CHRONIC) HEALTH: NO SUDDEN RELEASE OF PRESSURE NO
FIRE HAZARD:  _NO_

HMIS HAZARD RATINGS:
HEALTH HAZARD:  _3_  FIRE HAZARD:  _0_  REACTIVITY:  _1_

STATE REGULATIONS:
SEE SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS LIST LEGEND FOR APPLICABLE STATE REGULATION.

CONSULT LOCAL LAWS FOR APPLICABILITY.

INTERNATIONAL REGULATIONS:
CONSULT THE REGULATIONS OF THE IMPORTING COUNTRY.

CANADA:
WHMIS HAZARD CLASS:  E

16. OTHER INFORMATION

FOR ADDITIONAL NON-EMERGENCY HEALTH, SAFETY OR ENVIRONMENTAL INFORMATION TELEPHONE (972) 404-2016 OR WRITE TO:

OCCIDENTAL CHEMICAL CORPORATION
PRODUCT STEWARDSHIP DEPARTMENT
5005 LBJ FREEWAY
P.O. BOX 809050
DALLAS, TEXAS 75380

MSDS LEGEND:

ACGIH = AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
CAS = CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
CEILING = CEILING LIMIT (15 MINUTES)
CEL = CORPORATE EXPOSURE LIMIT
OSHA = OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL = PERMISSIBLE EXPOSURE LIMIT (OSHA)
STEL = SHORT TERM EXPOSURE LIMIT (15 MINUTES)
TDG = TRANSPORTATION OF DANGEROUS GOODS (CANADA)
TLV = THRESHOLD LIMIT VALUE (ACGIH)
TWA = TIME WEIGHTED AVERAGE (8 HOURS)
WHMIS = WORKER-HAZARDOUS-MATERIALS-INFORMATION-SYSTEM (CANADA)

* = SEE SECTION 3 HAZARDS IDENTIFICATION - REPEATED EXPOSURE (CHRONIC) INFORMATION

IMPORTANT: THE INFORMATION PRESENTED HEREIN, WHILE NOT GUARANTEED, WAS PREPARED BY COMPETENT TECHNICAL PERSONNEL AND IS TRUE AND ACCURATE TO THE BEST OF OUR KNOWLEDGE. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, OR OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, STABILITY OR OTHERWISE. THIS INFORMATION IS
NOT INTENDED TO BE ALL-INCLUSIVE AS TO THE MANNER AND CONDITIONS OF
USE, HANDLING AND STORAGE. OTHER FACTORS MAY INVOLVE OTHER OR
ADDITIONAL SAFETY OR PERFORMANCE CONSIDERATIONS. WHILE OUR TECHNICAL
PERSONNEL WILL BE HAPPY TO RESPOND TO QUESTIONS REGARDING SAFE
HANDLING AND USE PROCEDURES, SAFE HANDLING AND USE REMAINS THE
RESPONSIBILITY OF THE CUSTOMER. NO SUGGESTIONS FOR USE ARE INTENDED
AS, AND NOTHING HEREIN SHALL BE CONSTRUED AS A RECOMMENDATION TO
INFRINGEMENT ANY EXISTING PATENTS OR VIOLETE ANY FEDERAL, STATE OR LOCAL
LAWS, RULES, REGULATIONS OR ORDINANCES.

17. WARNING LABEL INFORMATION

SIGNAL WORD:
DANGER

HAZARD WARNINGS:
MAY CAUSE PERMANENT EYE DAMAGE.

CORROSIVE TO EYES, SKIN, RESPIRATORY AND DIGESTIVE TRACT.

PRECAUTIONS:
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

AVOID BREATHING DUST, VAPORS OR MIST.

DO NOT SWALLOW.

USE WITH ADEQUATE VENTILATION.

WEAR A NIOSH/MSHA APPROVED RESPIRATOR, CHEMICAL SPLASH GOGGLES, FULL
FACE SHIELD, PROTECTIVE CLOTHING AND CHEMICAL RESISTANT GLOVES.

WASH THOROUGHLY AFTER HANDLING; EXPOSURE CAN CAUSE BURNS WHICH ARE NOT
IMMEDIATELY PAINFUL OR VISIBLE.

WHEN MAKING SOLUTIONS, ALWAYS FOLLOW HANDLING INSTRUCTIONS.

AVOID CONTACT WITH ACIDS.

PROLONGED CONTACT WITH METALS, SUCH AS ALUMINUM, TIN, LEAD AND ZINC
MAY PRODUCE FLAMMABLE HYDROGEN GAS.

KEEP CONTAINER TIGHTLY CLOSED AND PROPERLY LABELED.

BEFORE USING, READ MATERIAL SAFETY DATA SHEET (MSDS) FOR THIS
MATERIAL.

FIRST AID

EYES:
IMMEDIATELY FLUSH EYES WITH A DIRECTED STREAM OF WATER FOR AT LEAST 15
MINUTES, FORCEFULLY HOLDING EYELIDS APART TO ENSURE COMPLETE IRRIGATION
OF ALL EYE AND LID TISSUE. WASHING EYES WITHIN SEVERAL SECONDS IS
ESSENTIAL TO ACHIEVE MAXIMUM EFFECTIVENESS. GET MEDICAL ATTENTION
IMMEDIATELY.

SKIN:
FLUSH THOROUGHLY WITH COOL WATER UNDER SHOWER WHILE REMOVING
CONTAMINATED CLOTHING AND SHOES. DISCARD NON-RUBBER SHOES. WASH
CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION AS SOON AS POSSIBLE.
INHALATION:
REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, HAVE TRAINED PERSON
ADMINISTER OXYGEN. IF RESPIRATION STOPS, HAVE A TRAINED PERSON
ADMINISTER ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION:
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF SWALLOWED,
DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. (IF
AVAILABLE, GIVE SEVERAL GLASSES OF MILK.) IF VOMITING OCCURS
SPONTANEOUSLY, KEEP AIRWAY CLEAR AND GIVE MORE WATER. GET MEDICAL
ATTENTION IMMEDIATELY.

IN CASE OF SPILL OR LEAK:
DO NOT FLUSH TO SEWER.

DRIY MATERIAL CAN BE SHOVELLED UP, LIQUID MATERIAL CAN BE REMOVED WITH A
VACUUM TRUCK. NEUTRALIZE REMAINING TRACES WITH ANY DILUTE INORGANIC
ACID (HYDROCHLORIC, SULFURIC OR ACETIC ACID). FLUSH SPILL AREA WITH
WATER FOLLOWED BY A LIBERAL COVERING OF SODIUM CARBONATE. ALL
CLEAN-UP MATERIAL SHOULD BE REMOVED FOR PROPER TREATMENT OR DISPOSAL.
SPILLS ON OTHER THAN PAVEMENT (EG. DIRT OR SAND) MAY BE HANDLED BY
REMOVING THE AFFECTED SOIL AND PLACING IN APPROVED CONTAINERS.

SPILLS OR RELEASES SHOULD BE REPORTED. IF REQUIRED, TO THE APPROPRIATE
LOCAL, STATE AND FEDERAL AGENCIES.

FIRE:
NON-FLAMMABLE / NON-COMBUSTIBLE.

USE EXTINGUISHING MEDIUM AS APPROPRIATE FOR SURROUNDING FIRE.

HANDLING AND STORAGE:
DIRECT CONTACT WITH WATER CREATES HEAT AND MAY CAUSE SPATTERING.

ALWAYS ADD PRODUCT SLOWLY TO LIQUID SURFACE, WITH CONSTANT STIRRING TO
ASSURE THAT PRODUCT IS COMPLETELY DISSOLVED AS IT IS ADDED TO
DISSIPATE HEAT.

DO NOT STORE IN ALUMINUM CONTAINER OR USE ALUMINUM FITTINGS OR
TRANSFER LINES, AS FLAMMABLE HYDROGEN GAS CAN BE GENERATED.

DISPOSAL:
DISPOSE OF ALL WASTE AND CONTAMINATED EQUIPMENT IN ACCORDANCE WITH ALL
APPLICABLE FEDERAL, STATE AND LOCAL HEALTH AND ENVIRONMENTAL
REGULATIONS.

INFORMATION REQUIRED BY FEDERAL, STATE OR LOCAL REGULATIONS:
THIS PRODUCT CONTAINS:

CAS#  NAME
6834-92-0  SILICIC ACID (H2SiO3), DISODIUM SALT
HMIS RATING:  HEALTH  _3_ FLAMMABILITY  _0_ REACTIVITY  _1_

LABEL NUMBER: 0198M5420

FOR INDUSTRIAL USE ONLY

For Additional Information.
Contact: MSDS Coordinator - Vopak USA
During business hours, Pacific Time - (425) 889-3400

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END OF MSDS