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|DATE OF ISSUE
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SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS
N/ATRADE NAME & SYNONYMS
ND-165CHEMICAL FAMILY:
AQUEOUS ALKALINE GLYCOL ETHER MIXTUREFORMULA
X <--MIXTUREMANUFACTURER'S NAME:
CHEMSEARCH, DIV. OF NCH CORP.ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE)
BOX 152170
IRVING, TEXAS 75015PREPARED BY:
L BOYNTON/CHEMIST| PRODUCT CODE NUMBER
0237| EMERGENCY TELEPHONE NUMBER
800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS):
SODIUM METASILICATEHAZARD---->IRRITANT | TLV--->N/E 1. | PEL--->N/E 2. |
STEL(TWA)*->N/E | CAS#-->6834-92-0 |

TRIPROPYLENE GLYCOL MONOMETHYL ETHER

HAZARD---->IRRITANT | TLV--->N/E 1. | PEL--->N/E 2. |
STEL(TWA)*->NOT EST. | CAS#-->25498-49-1 |

POLYETHYLENE GLYCOL TRIMETHYLNONYL ETHER

HAZARD---->EYE IRR. | TLV--->N/E 1. | PEL--->N/E 2. |
STEL(TWA)*->N/E | CAS#-->60828-78-6 |

SECTION IIA - NON-HAZARDOUS INGREDIENTS

NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE SECRET
REGISTRY # 409363- 5004P

SECTION III - PHYSICAL DATA

BOILING PT. (F) | 210 | SPEC. GRAVITY (H2O=1) | 1.050

VAPOR PR. (MM HG) | 17 | COLOR | YELLOW-GREEN

VAPOR DENSITY | 0.6 | ODOR | MILD

PH. @ 100% | 12.4 | CLARITY | TRANSPARENT

% VOLATILE BY VOL | 95 | EVAPORATION RATE | 0.53
(BU A/C = 1)

SECTION III - PHYSICAL DATA (CONTINUED)

H2O SOLUBILITY | COMPLETE

VISCOSITY | NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: NON-FLAM | FLAMMABLE LIMITS | LEL | UEL
SETAFLASH | N/A | N/A | N/A

EXTINGUISHING MEDIA "ALCOHOL" DRY WATER
X <--FOAM X <--FOAM X <--CO2 X <--CHEMICAL X <--SPRAY <--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. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING. USE CARE AS SPILLS MAY BE SLIPPERY.

UNUSUAL FIRE AND EXPLOSION HAZARDS

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

NFPA HAZARD RATING (0=INSIGNIFICANT; 1=SLIGHT; 2=MODERATE; 3=HIGH; 4=EXTREME):

2 <--HEALTH 1 <--FLAMMABILITY 0 <--INSTABILITY <--SPECIAL

SECTION V - HEALTH HAZARD DATA**THRESHOLD LIMIT VALUE:**

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE:**- ACUTE - (SHORT TERM EXPOSURE)**

EYE CONTACT: CAUSES SEVERE IRRITATION SEEN AS TEARING, SWELLING, STINGING, REDNESS, EXCESSIVE BLINKING, AND A BURNING SENSATION. MAY CAUSE BLINDNESS AND CORNEAL DAMAGE.

SKIN CONTACT: CAUSES SEVERE IRRITATION SEEN AS REDNESS, ITCHING, AND BURNS. PRODUCT CAN BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS.

INHALATION: MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING.

INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE DIZZINESS, DROWSINESS, WEAKNESS, THIRST, NAUSEA, VOMITING, AND DIARRHEA. MAY CAUSE A BURNING SENSATION IN THE MOUTH, THROAT, ESOPHAGUS, AND STOMACH.

- CHRONIC - (LONG TERM EXPOSURE)

MAY CAUSE KIDNEY DAMAGE. PROLONGED SKIN CONTACT MAY CAUSE SWELLING AND TISSUE DESTRUCTION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING URETHRA, KIDNEY, BLOOD, AND BLADDER DISEASES; RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS.

TARGET ORGANS: KIDNEYS AND BLADDER. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

PRIMARY ROUTE OF ENTRY: <-- INHALATION <-- INGESTION X<--ABSORPTION

EMERGENCY & FIRST AID PROCEDURES**INHALATION:**

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

SECTION V - HEALTH HAZARD DATA (CONTINUED)**EYE CONTACT:**

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

SKIN CONTACT:

WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. GET IMMEDIATE MEDICAL ATTENTION. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

INGESTION:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

NOTES TO PHYSICIAN:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

SECTION VI - TOXICITY INFORMATION

PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

IARC	<--YES	NTP	<--YES	OSHA	<--YES	ACGIH	<--YES	OTHER	<--YES
	X<--NO	NTP	X<--NO	OSHA	X<--NO	ACGIH	X<--NO	OTHER	X<--NO

SODIUM METASILICATE

ORL-RAT LD50: 847 MG/KG 3.

TRIPROPYLENE GLYCOL MONOMETHYL ETHER

ORL-RAT LD50: 3200 MG/KG 3.

POLYETHYLENE GLYCOL TRIMETHYLNONYL ETHER

ORL-RAT LD50: 5.65 ML/KG 4.

SKN-RBT LD50: 4.78 ML/KG/24H 4.

SKN-RBT 24H UNCOVERED: NO IRRITATION 4.

EYE-RBT: 0.005 ML; SEVERE INJURY 4.

SECTION VII - REACTIVITY DATA

STABILITY	X <--STABLE	<--UNSTABLE	CONDITIONS TO AVOID
	NONE KNOWN		

INCOMPATABILITY (MATERIALS TO AVOID):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; ACIDS, AMMONIUM SALTS, HYDROXYL COMPOUNDS, OXYGEN, AND REDUCING SUGARS. CAN ETCH GLASS. PROLONGED CONTACT WITH REACTIVE METALS, SUCH AS ALUMINUM, BRASS, BRONZE, CHROMIUM, MAGNESIUM, TIN, ZINC, AND ALLOYS, CAN CAUSE THE FORMATION OF FLAMMABLE HYDROGEN GAS WHICH CAN FORM AN EXPLOSIVE MIXTURE WITH AIR.

HAZARDOUS DECOMPOSITION PRODUCTS

OXIDES OF CARBON AND HYDROGEN GAS

HAZARDOUS	WILL NOT	MAY	CONDITIONS TO AVOID
POLYMERIZATION	X <--OCCUR	<--OCCUR	
	N/A		

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

WEAR APPROPRIATE PROTECTIVE CLOTHING. USE CARE AS SPILLS MAY BE SLIPPERY. DIKE AND CONTAIN SPILL. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER. FLUSH AREA WITH WATER.

WASTE DISPOSAL METHOD(S):

DISPOSE OF IN ACCORDANCE WITH STATE, FEDERAL & LOCAL REGULATIONS.

NEUTRALIZING AGENT:

USE DILUTE ACIDS SUCH AS HYDROCHLORIC ACID OR VINEGAR. ADD CAUTIOUSLY WHILE MIXING. WEAR APPROPRIATE PROTECTIVE CLOTHING.

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION:

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF VAPORS OR MISTS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

RESPIRATORY PROTECTION:

WITH NORMAL USE, NO RESPIRATOR IS REQUIRED. IF MATERIAL IS USED IN A MANNER WHICH CREATES MISTS, A NIOSH APPROVED RESPIRATOR DESIGNED FOR AEROSOL MISTS SHOULD BE WORN.

GLOVE PROTECTION:

NEOPRENE OR NITRILE RUBBER GLOVES SHOULD BE WORN WHEN HANDLING

EYE PROTECTION:

CHEMICAL GOGGLES SHOULD BE WORN WHEN HANDLING

OTHER PROTECTION:

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

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE:	INDOOR	HEATED	REFRIGERATED	OUTDOOR
MAX: 120 F. MIN: 35 F	X			

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING

ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP FROM FREEZING. IF PRODUCT FREEZES ALLOW IT TO SLOWLY WARM TO ROOM TEMPERATURE AND STIR THOROUGHLY BEFORE USING. 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 THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

SECTION XI - REGULATORY INFORMATION

CHEMICAL NAME

C.A.S NUMBER

UPPER % LIMIT

N/A

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.

IF UE (USE EXEMPTION) APPEARS UNDER UPPER % LIMIT, END USERS ARE EXEMPT FROM NOTIFICATION BECAUSE THE PRODUCT IS USED AND LABELED FOR ROUTINE JANITORIAL WORK, OR THE PRODUCT IS USED AND LABELED FOR FACILITY GROUNDS MAINTENANCE (SUCH AS FERTILIZERS AND HERBICIDES), OR THE PRODUCT IS USED AND LABELED FOR MAINTAINING MOTOR VEHICLES.

SECTION XII – REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2003.
 2. OSHA PEL.
 3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWEB, 2003.
 4. VENDOR'S MSDS.
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* SHORT TERM EXPOSURE LIMIT (TWA) LISTED AS FINAL RULE LIMITS PUBLISHED IN THE FEDERAL REGISTER/VOL. 54 NO. 12, 1-19-89

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