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NORTHERN TECHNOLOGIES INTERNATIONAL CORPORATION -- ZERUST VAPOR CAPSULES (VC1-1 AND VC.5-1) -- 6850-01-338-1393

Product ID:ZERUST VAPOR CAPSULES (VC1-1 AND VC.5-1)

MSDS Date:04/01/1999

FSC:6850

NIIN:01-338-1393

MSDS Number: CJMFK === Responsible Party ===

Company Name: NORTHERN TECHNOLOGIES INTERNATIONAL CORPORATION

Address:6680 NORTH HIGHWAY 49

City:LINO LAKES

S

tate:MN ZIP:55014 Country:US

Info Phone Num:612-784-1250

Emergency Phone Num:800-328-2433

Resp. Party Other MSDS Num.:4-43-12-1-1/REV B

CAGE:TO284

=== Contractor Identification ===

Company Name: NEW ERA CONTRACT SALES

Address:2513 TACOMA AVE S

Box:City:TACOMA

State:WA

ZIP:98402-1308 Country:US

Phone:253-272-3553

Contract Num:SP0450-99-M-C536

CAGE:0FA68

Company Name: NORTHERN TECHNOLOGIES INTERNATIONAL CORP

Address:6680 HWY 49N Box:City:SHOREVIEW

State:MN ZIP:55126 Country:US

Phone:612-784-1250

Con

tract Num:SP0450-00-M-D456 CAGE:56758 Company Name:NORTHERN TECHNOLOGIES INTERNATIONAL CORPORATION Address:6680 NORTH HIGHWAY 49 Box:City:LINO LAKES State:MN ZIP:55014 Country:US Phone:612-784-1250 CAGE:TO284 Company Name:NORTHERN TECHNOLOGIES INTL CORP Address:6680 NORTH HWY 49 Box:City:CIRCLE PINES State:MN ZIP:55014 Country:US Phone:800.328.2433/612.784.1250 CAGE:08TA7
======= Composition/Information on Ingredients ========
Ingred Name:SODIUM NITRITE CAS:7632-00-0 RTECS #:RA122 5000 Minumum % Wt:10. Maxumum % Wt:20. Other REC Limits:NO EXPOSURE, MFR EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS
============ Hazards Identification ==============
LD50 LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY. Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Health Hazards Acute and Chronic:TARGET ORGANS:NO DATA PROVIDED BY RESPONSIBLE PARTY. ACUTE: CYANOSIS. CHRONIC: WEAKNESS AND IRRITABILITY. Explanation of Carcinogenicity:NO DATA PROVIDED BY RES PONSIBLE PARTY.
NOTE: RESPONSIBLE PARTY USED N/A TO DENOTE CARCINOGENICITY STATUS (NOT AVAILABLE FOR USE IN DMA).
Effects of Overexposure:IRRITATION OF MEMBRANES, SHORTNESS OF BREATH, AND DIZZINESS. Medical Cond Aggravated by Exposure:HIGH BLOOD PRESSURE.
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First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING IS STOPPED. EYES: WASH WITH LARGE AMOUNT OF WATER (15-20 MINUTES). S

KIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AN D COPIOUS AMOUNTS OF WATER. INGESTION: GIVE WATER AND INDUCE VOMITING. Flash Point Method:COC Flash Point:=218.3C, 425.F **DEVICE** Lower Limits: DECOMPOSES Upper Limits:DECOMPOSES Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, CHEMICAL FOAM. Fire Fighting Procedures: SELF CONTAINED BREATHING EQUIPMENT IS NEEDD BECAUSE OF THE TOXIC OXIDES OF CARBON AND NITROGE N PRODUCED. Unusual Fire/Explosion Hazard: HEATING ABOVE 80C SHORTENS EFFECTIVE CHEMICAL LIFE. NOT BELIEVED TO BE SENSITIVE TO SHOCK. ======== Accidental Release Measures =========== Spill Release Procedures: PLACE IN CLOSED, DRY, METAL CONTAINER. Neutralizing Agent: NO DATA PROVIDED BY RESPONSIBLE PARTY. ============= Handling and Storage ==================== Handling and Storage Precautions: STORE IN COOL DRY PLACE IN PROTECTIVE WRAPPER WHEN NOT IN USE. 0 ther Precautions: POLYETHYLENE PROTECTIVE WRAPPERS ARE FLAMMABLE. ====== Exposure Controls/Personal Protection ======== Respiratory Protection: NONE REQUIRED Ventilation: NONE REQUIRED Protective Gloves: NONE REQUIRED FOR CAPSULES Eye Protection: NONE REQUIRED FOR CAPSULES Other Protective Equipment: NONE REQUIRED FOR CAPSULES Work Hygienic Practices: DO NOT DISASSEMBLE VAPOR CAPSULES. KEEP OUT OF

REACH OF CHILDREN.

Supplemental Safety and Health

THE HAZARDOUS INGREDIENT IS COMBINED

MUST NOT BE DISASSEMBLED. ========= Physical/Chemical Properties =============== HCC:V5 Decomp Temp:>85.C, 185.F Vapor Pres:10E-5 MM @ 25C/77F Spec Gravity:0.89 Solubility in Water: 5 % BY WEIGHT Appearance and Odor: ODORLESS DEVICE ======== Stability and Reactivity Data ========== Stability Indicator/Materials to Avoid:YES STRONG ACIDS, OXIDIZERS, AND REDUCING AGENTS CAN REACT WITH THE INTERNALLY CONTAINED CHEMICAL SYSTEM. Stability Condition to Avoid: NO DATA PROVIDED BY RESPONSIBLE PARTY. Hazardous Decomposition Products: OXIDES OF CARBON AND NITROGEN. Conditions to Avoid Polymerization: WILL NOT OCCUR. ======== Toxicological Information =========== Toxicological Information: NO DATA PROVIDED BY RESPONSIBLE PARTY. ====== Ecological Informat ion ========= Ecological:NO DATA PROVIDED BY RESPONSIBLE PARTY. ======= Disposal Considerations =========== Waste Disposal Methods: MAY BE BURIED IN A SANITARY LANDFILL OR INCINERATED. ======== MSDS Transport Information ============ Transport Information: NO DATA PROVIDED BY RESPONSIBLE PARTY. ========== Regulatory Information =========================== SARA Title III Information: NO DATA PROVIDED BY RESPONSIBLE PARTY. Fed

THIS MIXTURE IS TABLETIZED AND PLACED INSIDE A FOAM DEVISE TO

PREVENT HUMAN CONTACT WITH THE CHEMICAL SYSTEM. THE VAPOR CAPSULE

WITH ANTIOXIDANTS AND BINDERS.

eral Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.
State Regulatory Information: NO DATA PROVIDED BY RESPONSIBLE PARTY

============ Other Information ===============

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