



MATERIAL SAFETY DATA SHEET

I IDENTIFICATION

PRODUCT NAME	:Nemitol Concentrate
CHEMICAL NAME	:ALLYL ISOTHIOCYANATE (MUSTARD OIL)
CAS NUMBER	:57-06-07
CHEMICAL FAMILY	:ESSENTIAL OILS
SYNONYMS	:NONE KNOWN
CHEMICAL NAME	:CAPSAICIN (OLEORESIN OF CAPSICUM)
CHEMICAL FAMILY	:OLEORESINS
SYNONYMS	:NONE KNOWN

II PHYSICAL DATA

ODOR, APPEARANCE AND PHYSICAL STATE :LEMON/MUSTARD ODOR. ORANGE COLOR LIQUID.

SPECIFIC GRAVITY (WATER=1)	:0.950 - 1.0
SOLUBILITY IN WATER	:100%
BOILING POINT	:205 C.
MELTING POINT	:NDA
VAPOR PRESSURE	:NDA
PH	:6.5

III FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (CLOSED CUP)	:ABOVE 525 F
EXTINGUISHING MEDIA	:WATER FOG() FOAM (X) CO2(X) CHEM(X)
SPECIAL FIRE FIGHTING PROCEDURES	:NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS	:AVOID HEAT, HEAT SPARKS, OPEN FIRE.

IV REACTIVITY DATA

STABILITY	:STABLE
INCOMPATIBILITY	:STRONG OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS	:CARBON MONOXIDE, CARBON DIOXIDE AND SMOKE ON COMBUSTION.
HAZARDOUS POLYMERIZATION	:WILL NOT OCCUR

V OCCUPATIONAL EXPOSURE LIMIT

THRESHOLD LIMIT VALUE (TLV) :NDA
OSHA PERMISSIBLE EXPOSURE LIMIT (PEL) :NDA
HAS THIS SUBSTANCE, OR ANY COMPONENT
OF A MIXTURE BEEN LISTED AS A CARCINOGEN
OR POTENTIAL CARCINOGEN IN "THE ANNUAL
REPORT ON CARCINOGENS" PUBLISHED BY NTP
BY THE INTERNATIONAL AGENCY FOR
RESEARCH ON CANCER, OR BY OSHA ? YES() NO(X)

VI EMERGENCY AND FIRST AID PROCEDURES

INHALATION EXPOSURE :REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, SEE PHYSICIAN
EYE CONTACT :REMOVE CONTACT LENSES. FLUSH EYES IN WATER FOR 15
MINUTES. IF IRRITATION PERSISTS, SEE PHYSICIAN.
SKIN CONTACT :REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS
WITH PLENTY OF SOAP AND WATER. IF IRRITATION PERSISTS
SEE PHYSICIAN.
INGESTION :NONE UNUSUALLY NEEDED.

VII SPILL, LEAK AND DISPOSAL PROCEDURES

PRECAUTIONS :IF MATERIAL IS SPILLED OR RELEASED :SMALL SPILLS CAN BE
FLUSHED WITH SOAPY WATER OR ABSORBED BY DIRT, SAND
OR OTHER SUITABLE ABSORBENTS FOR DISPOSAL. LARGE
SPILLS CAN BE DIKED WITH EARTH, THEN BE PUMPED TO A
TANK FOR DISPOSAL.
WASTE DISPOSAL METHOD :SANITATION LANDFILL OR INCINERATION IN ACCORDANCE
WITH LOCAL, STATE AND FEDERAL REGULATIONS.

VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION :NOT NORMALLY REQUIRED. IF VAPOR CONCENTRATION IS
HIGH BECAUSE OF HEAT, USE A NIOSH APPROVED
ORGANIC RESPIRATOR.
VENTILATION :GENERAL
PROTECTIVE CLOTHES : USE LONG SLEEVE SHIRT, LONG PANTS, SHOES AND SOCKS.
OTHER PROTECTIVE EQUIPMENT :EYE BATH AND SAFETY
SHOWER.

IX HANDLING AND STORAGE PROCEDURES

STORE IN SHIPPING CONTAINERS IN A COOL DRY PLACE, AWAY FROM LIGHT.