

19-TANGERINE

MSDS Number

BNSGF

National Stock Number

8010-00N031519

Product Name

19-TANGERINE

Manufacturer

NEW YORK BRONZE POWDER CO INC

Product Identification

Product ID:19-TANGERINE

MSDS Date:04/28/1986

FSC:8010

NIIN:00N031519

MSDS Number: BNSGF

Responsible Party

NEW YORK BRONZE POWDER CO INC

777 DOWD AVENUE

ELIZABETH , NJ 07201

US

Emergency Phone: 800-692-2677

Info Phone: 201-289-4900

Cage: 0AU16

Contractor

NEW YORK BRONZE INC DIV OF NOVO CORP

ELIZABETH, NJ 07201

US

Cage: 0AU16

Ingredients

HYDROCARBON PROPELLANT; (PROPANE/ISOBUTANE BLEND)

CAS: 68476-86-8

Fraction By Weight: 35%

TITANIUM OXIDE; (TITANIUM DIOXIDE)

CAS: 13463-67-7

RTECS: XR2275000

Fraction By Weight: 1.1%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

CONCERNING LATEST HAZARD LIST INFORMATION AND

RTECS: 9999999ZZ

BENZIN; (VM&P NAPHTHA)

CAS: 8030-30-6

RTECS: DE3030000

Fraction By Weight: 4.8%

OSHA PEL300 PPM;400 PPM STEL

ACGIH TLV: 300 PPM

ETHANOL, 2-BUTOXY-; (2 BUTOXYETHANOL)

CAS: 111-76-2

RTECS: KJ8575000

Fraction By Weight: 1.3%

OSHA PELS, 50 PPM

ACGIH TLV: S, 25 PPM; 9293

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC; (HI FLASH

CAS: 64742-95-6

RTECS: WF3400000

Fraction By Weight:

OSHA PEL100 PPM

ACGIH TLV: 100 PPM

METHANE, DICHLORO-; (DICHLOROMETHANE) (SARA III)

CAS: 75-09-2

RTECS: PA8050000

Fraction By Weight: 45%

OSHA PEL500 PPM;1000 PPM, C

ACGIH TLV: 50 PPM

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

STODDARD SOLVENT; (MINERAL SPIRITS)

CAS: 8052-41-3

RTECS: WJ8925000

Fraction By Weight: 2.3%

OSHA PEL500 PPM

ACGIH TLV: 100 PPM; 9293

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight:

OSHA PEL200 PPM/150 STEL

ACGIH TLV: 50 PPM; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:RESPIRATORY NUISANCE - NUISANCE
PARTICAL DUST PRDCED WHEN SANDED. ACUTE: LOSS OF COORDINATION &
EQUILIBRIUM. CHRONIC: METABOLIZES TO PRDCE CO IN BODY. SIGNS/SYMP
INCL: DIZZ/NAUS/HDACH/ POSS SKIN & EYE IRRIT. CHLOROCARBON MATLS
HAVE PRDCED SENSIT OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS &
MAY HAVE (EFTS OF OVEREXP)

Explanation of Carcinogenicity:DICHLOROMETHANE: ANTICIPATED TO BE A
CARCINOGEN (NTP), GROUP 2B (IARC).

Effects of Overexposure:HLTH HAZ: SIMILAR EFT IN HUMANS. ADRENOMIMETICS
(E.G.,EPINEPHRINE) MAY BE CONTRAINDICATED EXCEPT FOR LIFE-
SUSTAINING USES IN HUMANS ACUTELY/ CHRONICALLY EXPOS TO
CHLOROCARBONS . ANIMAL STUDIES CLEARLY DEMONSTRATED DOSE-RELATED
ADVERSE EFTS ON CNS/ HEMATOPOIETIC TISS/BLOOD/KIDNEYS & LIVER,
ASSOC W/ADMIN (SUPP DAT

Medical Cond Aggravated by Exposure:INCREASES AND SUSTAINS CARBOXY
HEMOGLOBIN LEVELS IN THE BLOOD, REDUCING OXYGEN CARRYING CAPACITY
IN THE BLOOD.

First Aid

First Aid:INHAL: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION. KEEP
QUIET AND WARM. DO NOT USE ADRENALIN. EYES: FLUSH CONTACTED AREAS
WITH PLENTY OF WATER FOR A MINIMUM OF 15 MINUTES. IF PERSISTANT,
GET MED ICAL ATTENTION. SKIN: WASH WITH SOAP & WATER. IF PERSISTANT
GET MEDICAL ATTENTION. INGEST: GET PROMPT MEDICAL ATTENTION. DO NOT
GIVE ADRENALIN.

Fire Fighting

Flash Point Method:TOC

Flash Point:-156F,-104C

Lower Limits:1.8%

Upper Limits:70%

Extinguishing Media:CO2, FOG, DRY CHEMICALS, EXCLUDE AIR.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD PRESS DEMAND SCBA &
FULL PROT EQUIP . REMOVE PERS FROM GEN AREA. STOP RELEASE OF MATLS
IF POSS. COOL STORAGE CONTRS - EXCLUDE AIR.

Unusual Fire/Explosion Hazard:VAPS HEAVIER THAN AIR - MAY TRAVEL TO
IGNITION SOURCE & FLASH BACK. EXPANSION OF LIQUID & CHANGE OF STATE
FROM LIQ TO VAP WILL ALLOW COMBUST MIXT TO (SUPP DATA)

Accidental Release

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. ABSORB LIQUID
ON INERT MATERIAL SUCH AS SAND OR VERMICULITE. PLACE IN LEAK PROOF
CONTAINERS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:AVOID WATER CONTACT AND HIGH
TEMPERATURES IN STORAGE.

Other Precautions:DO NOT PUNCTURE CANS. NO SMOKING IN AREA OF USE. DO
NOT USE IN GENERAL VICINITY OF ARC WELDING, OPEN FLAMES OR HOT
SURFACES. HEAT &/OR UV RADIATION MAY CAUSE THE FORMATION OF HCL
&/OR PHOSGENE .

Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED
TO PREVENT OVEREXPOSURE. USE EITHER AN ATMOSPHERE SUPPLYING

RESPIRATOR FOR ORGANIC VAPOR.
Ventilation:MECHANICAL (GENERAL) - USE EXPLOSION PROOF VENTILATION TO CONTROL VAPOR CONCENTRATION.
Protective Gloves:NEOPRENE GLOVES.
Eye Protection:CHEMICAL WORKERS GOGGLES .
Other Protective Equipment:IMPERVIOUS CLOTHING.
Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER EACH USE.
Supplemental Safety and Health
EXPLO HAZ: ENCOMPASS LG AREA. THERMAL DECOMP PRODS MAY INCL HCL/PHOSGENE . EFTS OF OVEREXP: OF ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE). (EXTRACTED FROM DHHS (NIOSH) PUB#90-118) . TOLUENE - CAS#108-88-3 APPEARS ON NAVY LISTING OF OCCUP REPROD HAZ. SEEK CONSULTATION FROM APPROP HLTH PROFESSIONALS (ING 9)

Chemical Properties

HCC:G8
Boiling Pt:B.P. Text:>-44F,>-42C
Vapor Pres:70
Vapor Density:2.35
Spec Gravity:0.91 (H2O=1)
Solubility in Water:MINIMAL
Appearance and Odor:THIN ORANGE LIQUID, TYPICAL PAINT AROMA.

Stability

Stability Indicator/Materials to Avoid:YES
AVOID CONTACT WITH STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:TEMPERATURES OVER 120F. AVOID HEAT, SPARKS, OPEN FLAMES AND STORAGE NEAR OXIDIZING MATERIAL.
Hazardous Decomposition Products:CO, HYDROGEN CHLORIDE GAS. PHOSGENE .

Disposal

Waste Disposal Methods:DISPOSE OF AS ORDINARY PAINT IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.