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NEW YORK BRONZE POWDER CO.

MATERIAL SAFETY DATA SHEET # 699

FOR COATINGS, RESINS AND RELATED MATERIALS

DATE OF PREP 1717/90

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976803 - 976815 DNV

NAME : NEW YORK BRONZE POWDER CO. MANUFACTURER
ADDRESS : EAST COREY STREET 97-14717B-K
CITY, STATE : SCRANTON, PA
ZIP CODE : 18505
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SECTION I -- PRODUCT

NUMBER : NY10056
NAME : *NY1005 RED-AEROSOL
CLASS : VINYL-TOLUENE AEROSOL
H M I S Code
Health : 2
Flammability : 3
Reactivity : 0
Protective Equip : G

SECTION II -- HAZARDOUS INGREDIENTS

INGREDIENT	% BY WT.	% BY VOL	C.A.S. REGISTRY NO.	LEL	VAP. PRES @20
ETHYLENE GLY. MONOBUTYL ETHER	2.10	1.78	**111-76-2	1.1	N/A
VM&P NAPHTHA	5.37	5.34	64742-89-8	0.9	2.0
TOLUENE	14.94	12.79	**108-88-3	1.0	22.0
MINERAL SPIRITS	0.66	0.63	64742-47-8	0.9	10.0
1,2,4, TRIMETHYLBENZENE	1.23	0.85	**95-63-6	N/A	N/A
KETONE/OXYGENATED HYDROCARBO	37.66	35.50	**67-64-1	2.8	185.0
ALIPHATIC HYDROCARBON	0.21	0.28	75-28-5	1.8	N/A
PROPANE/DIMETHYLMETHANE	26.22	33.44	74-98-6	2.1	N/A

SECTION III -- PHYSICAL DATA

BOILING RANGE : 31. - 396. deg F
FREEZING POINT : N/A deg. F
VAP. PRES. (@20 deg. C) : 183.79 mm
VAPOR DENSITY (AIR=1) : 2.01 est.
SPECIFIC GRAVITY : 0.746
SOLUBILITY IN WATER : Negligible (<0.1%)
EVAPORATION RATE : Slower
% VOLATILE BY VOLUME : 93.87
(relative to n-butyl acetate)

APPEARANCE & ODOR : RED LIQUID/SOLVENT ODOR

FLASHPOINT : N/A Deg. F. FLAMMABLE LIMITS : LEL UEL 2
 (Method Used) - SETA FLASH 0.9 13.2
 FLAMMABILITY CLASSIFICATION
 OSHA : FLAMMABLE LIQUID - CLASS IB
 DOT : FLAMMABLE LIQUID OR SOLID
 EXTINGUISHING MEDIA :

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- Water fog.
- Foam.
- "Alcohol" foam.
- Carbon dioxide (CO2).
- Dry chemical.
- Water spray.
- Universal type foam.
- Halon.

SPECIAL FIRE FIGHTING PROCEDURES :
 Use water fog to cool containers.
 Use water spray to dilute spills.
 Wear protective clothing.
 Fight fire from a safe distance.
 Close all valves to the area.
 Shut off all power to the area.
 Wear self-contained breathing apparatus (SCBA).
 Burning liquid may float on water, do not use water.
 Cool fire exposed containers with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS
 Vapors may form explosive mix with air over long periods.
 Vapor is heavier than air.
 Vapors may travel and ignite or flashback.
 Closed containers may rupture when exposed to extreme heat.
 Material floats on water.
 Do not expose these containers to heat, sparks or flame.
 Do not puncture or incinerate (burn) container. Exposure to heat or prolonged exposure to sun may cause bursting.

SECTION V -- TOXICOLOGICAL INFORMATION

INGREDIENT	DESCRIPTION	BURNS/EPA			TLV (twa)	LD50 (mg/kg)			
		FEL	SKIN	LIST		(rat)	(rbt)	(rat)	
ETHYLENE GLY. MONOBUTYL		50.	No	Yes	N/A	25.	1590.	580.	N/A
VM&F NAPHTHA		300.	No	Yes	1350.	300.	N/A	N/A	N/A
TOLUENE		300.	No	Yes	375.	100.	5.	14.	8000.
MINERAL SPIRITS		100.	No	Yes	590.	100.	25.	4.	700.
1,2,4, TRIMETHYLBENZEN		N/A	No	Yes	N/A	N/A	N/A	N/A	N/A
KETONE/OXYGENATED HYDR		N/A	No	No	1780.	750.	7400.	20.	N/A
ALIPHATIC HYDROCARBON		N/A	No	Yes	N/A	N/A	N/A	N/A	N/A
PROPANE/DIMETHYLMETHAN		N/A	Yes	No	N/A	1000.	N/A	N/A	N/A

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----- SARA - SECTION 313 SUPPLIER NOTIFICATION -----

This product contains the toxic chemicals subject to the reporting requirements of section 313 of the EMERGENCY PLANNING and COMMUNITY RIGHT-TO-KNOW ACT of 1986 and of 40CFR372. These products are identified by the following legend prefixed to the CAS (CHEMICAL ABSTRACT NUMBER) in SECTION II of this MSDS.

- OSHA REPORTABLE HAZARDOUS MATERIAL BUT NOT SARA REPORTABLE.
- * - OSHA NON-HAZARDOUS MATERIAL BUT SARA REPORTABLE ONLY.
- ** - OSHA REPORTABLE HAZARDOUS MATERIAL AND SARA REPORTABLE.

This information must be included in all MSDSs that are copied and distributed for this material.

INGESTION : DO NOT INDUCE VOMITING, and call physician.

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Take to hospital immediately.
If swallowed, call poison center at (404) 123-4567.
If breathing stops, apply artificial respiration.
Avoid contact with skin or eyes.
If breathing is difficult, give oxygen.

===== SECTION VII -- REACTIVITY DATA =====

STABILITY: Stable
STABILITY CONDITIONS TO AVOID :
Extreme heat and/or high humidity.
Open flames or sparks.
INCOMPATABILITY (MAT'LS TO AVOID)
Peroxides and/or strong oxidizing agents.
Strong bases.
Strong alkalis, strong mineral acids...
Liquid chlorine, concentrated oxygen, sodium ect...

HAZARDOUS DECOMPOSITION PRODUCTS :
Fumes and smoke.
Oxides of carbon monoxide and/or carbon dioxide.
Aldehydes.
Toxic monomer fumes.

HAZARDOUS POLYMERIZATION : Will not occur
POLYMERIZATION CONDITIONS TO AVOID
Will not occur.

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OTHER PRECAUTIONS :

- Wear protective clothing as in Section VIII.
- Avoid repeated or prolonged breathing or contact with skin.
- Keep containers closed when not in use.
- Do not handle or store near heat, sparks or flame.
- Minimize breathing vapor or mist.
- Do not take internally.
- KEEP OUT OF REACH OF CHILDREN.

AUTHORIZED SIGNATURE :

TITLE :

John Amatacolos
Technical Director

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===== SECTION VIII -- SPILL OR LEAK PROCEDURES =====

STEPS FOR MATERIAL SPILLAGE :

- Absorb with sand and dispose of in approved manner.
- Dike area with sand to contain spilled liquid.
- Wear protective clothing during cleanup.
- Recover free product.
- Ventilate confined spaces. Open windows and doors.
- Shut off and eliminate all ignition sources.

WASTE DISPOSAL METHOD :

- Incinerate in an approved manner in an approved facility.
- Landfill in accordance with local, state and federal regs.
- Dispose of in accordance with local regulations.
- Keep product out of sewers and waterways.
- Empty containers contain residue, follow safety instructions after containers are empty.

===== SECTION IX -- SPECIAL PROTECTION INFORMATION =====

RESPIRATORY PROTECTION :

- NESA/NIOSH approved respirator is recommended in areas of poor ventilation.
- Vapor respirator.
- Maintain good ventilation.
- Use supplied air respiratory equipment in confined areas.
- For emergencies, a full face respirator is recommended.
- Use self-contained breathing apparatus (SCBA) in cases of severe exposure.

VENTILATION :

- Provide adequate cross air circulation.
- Exhaust at point of use.
- Complete air change in work area every 3 minutes.
- LOCAL EXHAUST: Recommended when needed to control exposure.
- Provide greater than 60 ft. per min. hood face velocity.
- Use explosion proof exhaust ventilation at point of release, in excess of TLV or LEL.
- To avoid breathing vapors or spray mist, open windows and doors. Ensure fresh air entry during application and drying.

PROTECTIVE GLOVES :

- Solvent resistant gloves.
- Required for repeated or prolonged contact.

EYE PROTECTION :

- Splashproof safety goggles to protect against splash.
- This product contains eye irritating materials. (see above)

OTHER PROTECTIVE EQUIPMENT :

- Eyewash station (fountain).
- Emergency (safety) shower.
- Use chemical resistant apron or other impervious clothing.
- Above exposure limit use organic vapor cartridge respirator.
- A source of clean water available to flush eyes and skin.

HYGENIC PRACTICES:

- Wash hands before eating or using the washroom.

===== SECTION X -- SPECIAL PRECAUTIONS =====

HANDLING AND STORAGE PRECAUTIONS :

- Overheating may cause closed containers to rupture.
- Use explosion-proof electrical equipment.
- Isolate this product from heat, sparks and open flame.
- Empty containers retain residue, and can be dangerous.

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