

2396
(BLACK RIBBON-1W; LQ)

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1267

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

| | | |
|---|---------|--|
| MANUFACTURER'S NAME S. T. SANGYO CO., LTD. | | EMERGENCY TELEPHONE NO. 0489-88-6711 |
| ADDRESS (Number, Street, City, State, and ZIP Code) 3-11 2CHOME, RYUTSU-DANCHI, KOSHIGAYA-SHI, SAITAMA-KEN, JAPAN | | |
| CHEMICAL NAME AND SYNONYMS | | TRADE NAME AND SYNONYMS 4B-4 |
| CHEMICAL FAMILY | FORMULA | |

SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS | % | TLV (Units) | ALLOYS AND METALLIC COATINGS | % | TLV (Units) |
|---|---|-------------|---|---|-------------|
| PIGMENTS | | | BASE METAL | | |
| CATALYST | | | ALLOYS | | |
| VEHICLE | | | METALLIC COATINGS | | |
| SOLVENTS | | | FILLER METAL PLUS COATING OR CORE FLUX | | |
| ADDITIVES | | | OTHERS | | |
| OTHERS | | | | | |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES | | | | % | TLV (Units) |
| :PIGMENT BLACK | | | :SURFACE ACTIVE AGENT | | |
| :PIGMENT BLUE | | | :MINERAL OIL | | |
| :FATTY ESTER | | | | | |
| :POLYETHYLEN RESIN | | | | | |

SECTION III - PHYSICAL DATA

| | | | |
|-------------------------|------|---------------------------------------|----------|
| BOILING POINT (°F.) | 180 | SPECIFIC GRAVITY (H ₂ O=1) | 0.99 |
| VAPOR PRESSURE (mm Hg.) | 0.01 | PERCENT VOLATILE BY VOLUME (%) | |
| VAPOR DENSITY (AIR=1) | | EVAPORATION RATE (—=1) | 0.1/25°C |
| SOLUBILITY IN WATER | 0.5 | | |
| APPEARANCE AND ODOR | | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | | |
|------------------------------------|---|------------------|-----|-----|
| FLASH POINT (Method used) | 200°C | FLAMMABLE LIMITS | Let | Uet |
| EXTINGUISHING MEDIA | DRY CHEMICAL, CO2 | | 0.1 | 2.0 |
| SPECIAL FIRE FIGHTING PROCEDURES | DIRECT SPRAYING OF DRY CHEMICAL OR CO2 TO FIRE. | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. | | | |

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

SECTION VI - REACTIVITY DATA

| | | | |
|-----------|----------|---|---------------------|
| STABILITY | UNSTABLE | | CONDITIONS TO AVOID |
| | STABLE | X | |

INCOMPATIBILITY *(Materials to avoid)*

HAZARDOUS DECOMPOSITION PRODUCTS

| | | | |
|-----------------------------|----------------|---|-------------------------------------|
| HAZARDOUS POLYMERIZATION | MAY OCCUR | | CONDITIONS TO AVOID |
| | WILL NOT OCCUR | X | AVOID EXTENDED STORAGE AT OVER 158F |

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

WASTE DISPOSAL METHOD

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)* N.A

| | | | |
|-------------|-----------------------------|--------------|---------|
| VENTILATION | LOCAL EXHAUST | NOT REQUIRED | SPECIAL |
| | MECHANICAL <i>(General)</i> | | OTHER |

| | |
|---|----------------|
| PROTECTIVE GLOVES | EYE PROTECTION |
| RUBBER GLOVES TO PREVENT HANGS FROM SOILING | NOT REQUIRED |
| OTHER PROTECTIVE EQUIPMENT | NOT REQUIRED |

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

OTHER PRECAUTIONS