



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®
5250-A Naiman Parkway, Solon, OH 44139 • 888-567-2206 • www.chromate.com

**FOR CHEMICAL
EMERGENCY**

Call ChemTrec day/night:
1-800-424-9300

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DOUBLE/BUBBLE® EPOXY EXTRA FAST **DATE PREPARED:** FEBRUARY 3, 2010
PARTS A & B
PART NUMBER: 74499 **CHROMATE INDUSTRIAL CORPORATION**
PRODUCT TYPE: EPOXY **5250-A Naiman Parkway, Solon, OH 44139 • (888) 567-2206**
HAZARD RATING: HEALTH: 2 FIRE: 1 REACTIVITY: 0

PART A — SECTION 2 — INGREDIENT / HAZARD INFORMATION

| HAZARDOUS INGREDIENTS | CAS NUMBER |
|-----------------------|--------------|
| TRADE SECRET | TRADE SECRET |
| EPOXY RESIN | 25068-38-6 |
| TRADE SECRET | TRADE SECRET |

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory

SECTION 3 — HAZARDS IDENTIFICATION

EYE CONTACT: CAUTION! Can cause moderate irritation. May cause severe eye injury. Damage reversible.
SKIN CONTACT: CAUTION! Moderately irritating to the skin. Prolonged or repeated exposure may result in sensitization and rash. Not likely to be absorbed through the skin in toxic amounts.
INHALATION: Inhalation of vapor could cause headaches, nausea, dizziness and respiratory tract irritation.
INGESTION: Expected to be slightly toxic by this route.

HEALTH HAZARD INFORMATION:

CARCINOGENICITY: The materials used in the manufacture of this product are not found on the OSHA, IARC or NTP lists of carcinogens.

SECTION 4 — FIRST AID MEASURES

EYE CONTACT: Flush eyes with plenty of water for 15 minutes while holding eyelids open. *GET IMMEDIATE MEDICAL ATTENTION.*
SKIN CONTACT: Remove contaminated clothing and wipe excess from skin. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. Launder contaminated clothing. Destroy leather articles including shoes.
INHALATION: Remove person to fresh air and provide oxygen if breathing is difficult. *GET IMMEDIATE MEDICAL ATTENTION.*
INGESTION: *DO NOT INDUCE VOMITING.* Get medical advice.

SECTION 5 — FIRE-FIGHTING MEASURES

FLAMMABILITY: Class IIIB
FLASH RANGE: N/A
Pensky-Martens Closed Cup ASTM D 93
375°F

EXPLOSIVE RANGE: N/A

FIRE-FIGHTING MEASURES: Water fog, dry chemical, foam, carbon dioxide.
Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive-pressure, NIOSH-approved, self-contained breathing apparatus (SCUBA). Cool fire-exposed containers with water.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

SPILLS: Absorb liquid material and place in container for disposal. Comply with local, state and federal EPA regulations.

N/A — NOT APPLICABLE

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

N/L — NOT LISTED

SECTION 7 – HANDLING AND STORAGE

STORAGE CONDITIONS: Store in a cool, dry place. Keep away from open flames and high temperatures.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

| | ACGIH TLV | ACGIH TLV-C | ACGIH STEL | OSHA STEL | OSHA PEL |
|--------------|-----------|-------------|------------|-----------|----------|
| TRADE SECRET | N/E | N/E | N/E | N/E | N/E |
| EPOXY RESIN | N/E | N/E | N/E | N/E | N/E |
| TRADE SECRET | N/E | N/E | N/E | N/E | N/E |

PERSONAL PROTECTIVE EQUIPMENT: In the absence of proper environmental control or ventilation, wear a respirator approved by NIOSH/MSHA whenever exposed to fumes or vapors. Comply with OSHA 1910.134 (CFR.) Self-contained breathing apparatus in high concentrations. Local exhaust is recommended. Use chemical resistant protective gloves; chemical splash goggles; chemical resistant protective clothing to minimize exposure; chemical splash apron; full-face shield. Eye wash station and safety shower should be available for emergency use.

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

| | |
|----------------------------------------|---------------------------------------------------|
| FORM: Liquid | APPEARANCE/COLOR: Transparent, Light Amber |
| ODOR: Mild | BOILING RANGE: N/A |
| VAPOR PRESSURE (mmHg): N/A | MELTING POINT: N/A |
| EVAPORATION RATE: Not Available | % VOLATILE: N/A |
| SPECIFIC GRAVITY: 1.19 | VOC: 5.04 GMS/LITER* |

OTHER INFORMATION: *VOC content was tested via EPA Method 24.

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable.
HAZARDOUS POLYMERIZATION: Will not occur.

REACTIVITY
INCOMPATIBILITY: Oxidizing agents, strong mineral acids, strong lewis acids, bases, mercaptans, amines.
CONDITIONS TO AVOID: High temperatures.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, aldehydes, acids.

SECTION 11 – TOXICOLOGICAL INFORMATION

| LETHAL DOSE INFORMATION (PPM) | ORAL | SKIN | INHALE | LC ₅₀ |
|----------------------------------------------------------------|------|------|--------|------------------|
| TOXICOLOGICAL INFORMATION: No information is available. | | | | |

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No information is available.

SECTION 13 – DISPOSAL CONSIDERATIONS

RCRA CONSIDERATIONS: This product, if disposed of in the purchased form, is not considered RCRA hazardous.

SECTION 14 – TRANSPORT INFORMATION

UN NUMBER: N/L
 UN CLASS: N/L
 IMDG CLASS: N/R
 ADR/RID CLASS: N/R
 TECHNICAL NAME: N/L
 UN PACK GROUP: N/L
 ICAO/IATA CLASS: N/R
 SHIPPING NAME: PLASTIC LIQUID, NOS
 DOT HAZARD CLASS: N/L

SECTION 15 – REGULATORY INFORMATION

TSCA STATUS: All ingredients contained in this product are on the TSCA inventory.

INVENTORY STATUS:

All the component (s) of this product have been found on the following inventories:

- UNITED STATES
- CANADA (DSL)
- EUROPE

All the components of this product have not yet been identified on the following inventories:

- JAPAN
- AUSTRALIA
- KOREA
- CHINA
- PHILIPPINES

SCHEDULE B NUMBER: 3506.91.0000 is the Schedule B Export Classification Number.

PROPOSITION 65 INFORMATION: 74499 PART A contains chemicals known to the State of California to cause cancer/reproductive toxicity.

| | | |
|----------|-----------------------|--------|
| 106-89-8 | EPICHLOROHYDRIN | <1 ppm |
| 122-60-1 | PHENYL GLYCIDYL ETHER | <6 ppm |

SECTION 16 – OTHER INFORMATION

DISCLAIMER:

Although the information and recommendations set forth herein (herein after known as “information”) are presented in good faith and believed to be correct as of the date hereof, Chromate Industrial Corporation makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Chromate Industrial Corporation be responsible for damages of any nature whatsoever resulting from the use of reliance upon information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose of any nature are made hereunder with respect to information or the product to which information refers.

PART B — SECTION 2 — INGREDIENT / HAZARD INFORMATION**HAZARDOUS INGREDIENTS**

MERCAPTAN TERMINATED POLYMER
TERTIARY AMINE

CAS NUMBER

TRADE SECRET
TRADE SECRET

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory

SECTION 3 — HAZARDS IDENTIFICATION

EYE CONTACT: Corrosive to the eyes and may cause severe damage including blindness. Vapors may be irritating.
SKIN CONTACT: May cause severe skin irritation. Corrosive on prolonged contact. Slightly toxic by skin absorption.
INHALATION: Slightly toxic. Can cause irritation of respiratory tract. Over exposure to vapor or fumes may cause delayed lung damage and chemical pneumonia.
INGESTION: Slightly toxic. Ingestion may cause fatigue, muscular weakness, labored breathing and irritation of gastrointestinal tract.
NOTES TO PHYSICIAN: Gastric lavage may be considered depending on degree of mucosal damage. Treatment for shock, respiratory depression and convulsions may be necessary.

OVER-EXPOSURE HEALTH HAZARD INFORMATION

ACUTE: Severe burns to skin, eyes, respiratory and gastrointestinal tracts.
CHRONIC: Dermatitis, delayed lung injury, chemical pneumonia.

HEALTH HAZARD INFORMATION

CARCINOGENICITY: The materials used in the manufacture of this product are not found on the OSHA, IARC or NTP lists of carcinogens.

SECTION 4 — FIRST AID MEASURES

EYE CONTACT: Flush eyes with plenty of water for 15 minutes while holding eyelids open. *GET IMMEDIATE MEDICAL ATTENTION.*
SKIN CONTACT: Wipe excess from skin and flush with water for at least 15 minutes. *GET MEDICAL ATTENTION.* Launder clothing, discard leather clothing.
INHALATION: Remove person to fresh air and call a physician. Prevent aspiration of vomit by turning victims head to the side.
INGESTION: *DO NOT INDUCE VOMITING.* Administer 3-4 glasses of milk or water. *GET IMMEDIATE MEDICAL ATTENTION.* Nothing by mouth if victim is drowsy, convulsing or unconscious.

SECTION 5 — FIRE-FIGHTING MEASURES

FLAMMABILITY: Class IIIB
FLASH RANGE: N/A
 Pensky-Martens Closed Cup ASTM D 93
 270°F

EXPLOSIVE RANGE: N/A

FIRE-FIGHTING MEASURES: Water fog, dry chemical, foam, carbon dioxide.
 Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive-pressure, NIOSH-approved, self-contained breathing apparatus (SCUBA).
 Cool fire-exposed containers with water.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

SPILLS: Absorb liquid material and place in container for disposal. Comply with local, state and federal EPA regulations.

SECTION 7 — HANDLING AND STORAGE

STORAGE CONDITIONS: Store in a cool, dry place. Keep away from open flames and high temperatures.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

| | ACGIH TLV | ACGIH TLV-C | ACGIH STEL | OSHA STEL | OSHA PEL |
|------------------------------|-----------|-------------|------------|-----------|----------|
| MERCAPTAN TERMINATED POLYMER | N/E | N/E | N/E | N/E | N/E |
| TERTIARY AMINE | N/E | N/E | N/E | N/E | N/E |

PERSONAL PROTECTIVE EQUIPMENT: In the absence of proper environmental control or ventilation, wear a respirator approved by NIOSH/MSHA whenever exposed to fumes or vapors. Comply with OSHA 1910.134 (CFR.) Self-contained breathing apparatus in high concentrations. Local exhaust is recommended. Use chemical resistant protective gloves; chemical splash goggles; chemical resistant protective clothing to minimize exposure; chemical splash apron; full face shield. Eye wash station and safety shower should be available for emergency use.

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

| | |
|-----------------------------------------|--------------------------------------------|
| FORM: Liquid | APPEARANCE/COLOR: Transparent Amber |
| ODOR: Mercaptan | BOILING RANGE: N/A |
| VAPOR PRESSURE (mmHg): N/A | MELTING POINT: N/A |
| EVAPORATION RATE: Not applicable | % VOLATILE: Not applicable |
| SPECIFIC GRAVITY: 1.13 | VOC: 35.25 GM/LITER* |

OTHER INFORMATION: *VOC content was tested via EPA Method 24.

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable.
HAZARDOUS POLYMERIZATION: Will not occur.

REACTIVITY

INCOMPATIBILITY: Oxidizing agents, cleaning solutions (ask your CIC representative.) Strong mineral and lewis acids. Halogenated organic compounds.
CONDITIONS TO AVOID: High temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, nitrogen oxides, ammonia, hydrogen sulfide, oxides of sulfur.

SECTION 11 – TOXICOLOGICAL INFORMATION

| | | | | |
|----------------------------------------------------------------|-------------|-------------|---------------|------------------------|
| LETHAL DOSE INFORMATION (PPM) | ORAL | SKIN | INHALE | LC₅₀ |
| TOXICOLOGICAL INFORMATION: No information is available. | | | | |

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No information is available.

SECTION 13 – DISPOSAL CONSIDERATIONS

RCRA CONSIDERATIONS: This product, if disposed of in the purchased form, is not considered RCRA hazardous.

SECTION 14 – TRANSPORT INFORMATION**UN NUMBER:** N/L**UN CLASS:** N/L**IMDG CLASS:** N/R**ADR/RID CLASS:** N/R**TECHNICAL NAME:** N/L**UN PACK GROUP:** N/L**ICAO/IATA CLASS:** N/R**SHIPPING NAME:** PLASTIC LIQUID, NOS**DOT HAZARD CLASS:** N/L**SECTION 15 – REGULATORY INFORMATION****TSCA STATUS:** All ingredients contained in this product are on the TSCA inventory.**INVENTORY STATUS:***All the component (s) of this product have been found on the following inventories:*

UNITED STATES

CANADA (DSL)

EUROPE

All the components of this product have not yet been identified on the following inventories:

JAPAN

AUSTRALIA

KOREA

CHINA

PHILIPPINES

SCHEDULE B NUMBER: 3506.91.0000 is the Schedule B Export Classification Number.**PROPOSITION 65 INFORMATION:** 74499 PART B does not contain any chemical, known by the state of California, to cause cancer/reproductive toxicity.**SECTION 16 – OTHER INFORMATION****DISCLAIMER:**

Although the information and recommendations set forth herein (herein after known as "information") are presented in good faith and believed to be correct as of the date hereof, Chromate Industrial Corporation makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Chromate Industrial Corporation be responsible for damages of any nature whatsoever resulting from the use of reliance upon information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose of any nature are made hereunder with respect to information or the product to which information refers.