



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

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NON-CONDUCTIVE PAINT, GLOSS WHITE

DATE PREPARED: APRIL 11, 2013

PART NUMBER: 74029

PRODUCT TYPE: PAINT

CHROMATE INDUSTRIAL CORPORATION
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SECTION 2 — COMPOSITION / INFORMATION ON INGREDIENTS

1. BARIUM SULFATE

CAS#: 7727-43-7

BARIUM SULFATE

PCT BY WT: 10.0000

EXPOSURE LIMIT:

ACGIH TLV-TWA 10 mg/m³

ACGIH TLV-STEL NO INFO

OSHA PEL-TWA 5 mg/m³ respirable fraction

OTHER LIMITS:

EINECS: 231-784-4

2. ETHYLBENZENE

CAS#: 100-41-4

ETHYLBENZENE

PCT BY WT: .3960 VAPOR PRESSURE: 7.000 MMHG @ 68F LEL: .80

EXPOSURE LIMIT:

ACGIH TLV-TWA: 100 ppm

ACGIH TLV-STEL: 125 ppm

OSHA PEL-TWA: 100 ppm

OSHA PEL-STEL: 125 ppm

OTHER: IARC (2B), CALIFORNIA PROP 65 (Cancer 6/11/2004)

LD50(ORAL): 3500 mg/kg (rat)

LD50(DERMAL): 20574 mg/kg (rabbit)

LC50: 17623 mg/m³ (rat)

OTHER LIMITS:

PROP: 65-Cancer, listed 6/11/04 EINECS: 202-849-4

3. 2-PENTANONE

CAS#: 107-87-9

2-PENTANONE

PCT BY WT: .2.0000 LEL: 1.50

EXPOSURE LIMIT:

ACGIH TLV-TWA: 200 ppm

ACGIH TLV-STEL: 250 ppm

OSHA PEL-TWA: 200 ppm

COMPANY: N.E.

SECTION 2 — COMPOSITION / INFORMATION ON INGREDIENTS (CONT.)**4. N-BUTANE**

CAS#: 106-97-8

N-BUTANE

PCT BY WT: 8.0000 VAPOR PRESSURE: 879.100 MMHG @ 68F LEL: 1.80

EXPOSURE LIMIT:

ACGIH TLV-TWA: 800 ppm

ACGIH TLV-STEL: NO INFO

OSHA PEL-TWA: 800 ppm

COMPANY: N.E.

LD50(ORAL): N.A.

LD50(DERMAL): N.A.

LC50: 658000 mg/m3 (rat)

OTHER LIMITS:

EINECS: 203-448-7

5. PROPANE

CAS#: 74-98-6

PROPANE

PCT BY WT: 16.0000 VAPOR PRESSURE: 5585.200 MMHG @ 68F LEL: 2.20

EXPOSURE LIMIT:

ACGIH TLV-TWA: 1000 ppm

ACGIH TLV-STEL: NO INFO

LD50(ORAL): N.A.

LD50(DERMAL): N.A.

LC50: NO INFO

OTHER LIMITS:

EINECS: 200-827-9

6. TITANIUM DIOXIDE

CAS#: 13463-67-7

TITANIUM DIOXIDE

PCT BY WT: 10.0000

EXPOSURE LIMIT:

ACGIH TLV-TWA: 10 mg/m3

ACGIH TLV-STEL: NO INFO

OSHA PEL-TWA: 10 mg/m3

COMPANY: N.E.

LD50(ORAL): > 24000 mg/kg (rat)

LC50: > 6820 mg/m3 (rat)

OTHER LIMITS:

EINECS: 236-675-5

SECTION 2 — COMPOSITION / INFORMATION ON INGREDIENTS (CONT.)

7. XYLENE

CAS#: 1330-20-7

XYLENE

PCT BY WT: 2.0000 **VAPOR PRESSURE:** 6.600 MMHG @ 68F **LEL:** 1.00

EXPOSURE LIMIT:

ACGIH TLV-TWA: 100 ppm

ACGIH TLV-STEL: 150 ppm

OSHA PEL-TWA: 100 ppm

OSHA PEL-STEL: 150 ppm

COMPANY: N.E.

LD50(ORAL): 4300 mg/kg (rat)

LD50(DERMAL): 1700 mg/kg (rabbit)

LC50: 18892 mg/m3 (rat)

OTHER LIMITS:

EINECS: 215-535-7

8. ACETONE

CAS#: 67-64-1

ACETONE

PCT BY WT: 26.0000 **VAPOR PRESSURE:** 231.000 MMHG @ 68F **LEL:** 2.60

EXPOSURE LIMIT:

ACGIH TLV-TWA: 750 ppm

ACGIH TLV-STEL: 1000 ppm

OSHA PEL-TWA: 750 ppm

OSHA PEL-STEL: 1000 ppm

COMPANY: N.E.

LD50(ORAL): 5340 mg/kg (rabbit)

LD50(DERMAL): 20000 mg/kg (rabbit)

LC50: 70852 mg/m3 (rat)

OTHER LIMITS:

EINECS: 200-662-2

9. GLYCOL ETHER PM ACETATE

CAS#: 108-65-6

PROPYLENE GLYCOL METHYL ETHER ACETATE

PCT BY WT: 8.0000 **VAPOR PRESSURE:** 3.700 MMHG @ 68F **LEL:** 1.30

EXPOSURE LIMIT:

ACGIH TLV-TWA: NOT ESTABLISHED

ACGIH TLV-STEL: NOT ESTABLISHED

LD50(ORAL): 8500 mg/kg (rat)

LD50(DERMAL): 5000 mg/kg (rat)

LC50: 5321 mg/m3 (rat)

OTHER LIMITS:

EINECS: 203-603-9

This product contains one or more reported carcinogens or suspected carcinogens which are noted NTP, IARC, or OSHA-Z in the other limits recommended column.

This substance is classified as a hazardous air pollutant.

SECTION 3 — HAZARD IDENTIFICATION**EMERGENCY OVERVIEW:**

Harmful if swallowed.
Harmful if inhaled.
Harmful if absorbed through skin.
Causes eye irritation.
Causes skin irritation.
Vapors irritating to eyes and respiratory tract.
Extremely flammable liquid and vapor.
Vapors may cause flash fire or explosion.
Extremely flammable aerosol.
Contents under pressure.

EYE:

May cause severe eye irritation.

SKIN:

Contact with skin may cause irritation with discomfort or rash.
Prolonged contact with the skin can cause chemical burns.
Harmful if absorbed through the skin.
Material may aggravate an existing dermatitis.

INHALATION:

Exposure to high concentrations of vapors may cause dizziness, breathing difficulty, headaches or respiratory irritation.
Extremely high concentrations may cause drowsiness, staggering, confusion, unconsciousness, coma or death.
Excessive inhalation of vapors can cause nasal and respiratory irritation.
Liquid or vapor may be irritating to skin, eyes, throat or lungs.
Intentional misuse by deliberately concentrating and inhaling the contents of this product can be harmful or fatal.

INGESTION:

Moderately toxic. May cause stomach discomfort, nausea, vomiting, diarrhea, and narcosis.
Aspiration of material into the lungs if swallowed or if vomiting occurs can cause chemical pneumonitis which can be fatal.
May cause nausea, vomiting and diarrhea.

CHRONIC EFFECTS:

Chronic overexposure to a component or components in this material has been found to cause the following effects in laboratory animals:

- Kidney damage
- Eye damage
- Liver damage
- Anemia

Chronic overexposure to a component or components in this product has been suggested as a cause of the following effects in humans:

- Cardiac abnormalities

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Rats exposed to titanium dioxide dust at 250 mg/m³ developed lung cancer, however, such exposure levels are not attainable in the workplace with this material.

In February 2000 the International Agency for Research on Cancer (IARC) classified ethylbenzene as possibly carcinogenic to humans (Group 2B) on the basis of sufficient evidence for carcinogenicity in experimental animals but inadequate evidence for cancer in humans.

SECTION 4 — FIRST AID MEASURES**EYE CONTACT:**

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
Flush with large quantities of water for 15 minutes.

SKIN CONTACT:

Wash thoroughly with soap and water and seek medical attention if irritation persists. Remove contaminated clothing. Launder contaminated clothing before reuse.

INHALATION:

For inhalation overexposure move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention.

INGESTION:

Since this product may contain materials which can cause lung damage if aspirated into the lungs, the decision whether to induce vomiting or not must be made by a physician after careful consideration of all materials ingested.

SECTION 5 — FIRE AND EXPLOSION HAZARD DATA**FIRE AND EXPLOSIVE PROPERTIES OF THE PRODUCT:**

Flashpoint: Less Than - 25 °F
Explosion Level: Low (LEL) - .8
High (UEL) - 13.1

EXTINGUISHING MEDIA:

Use Dry Chemical, Carbon Dioxide or Chemical Foam.

FIRE-FIGHTING PROCEDURES AND EQUIPMENT:

Keep containers tightly closed. Isolate from heat, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Contents under pressure. Do not use or store near sources of heat, sparks or open flame. Keep away from any source of heat such as sunlight, heaters or stoves that could cause the container to burst. Do not puncture or incinerate. Do not crush or place in a garbage compactor. Do not store above 120 degrees F. Aerosol containers may explode when exposed to extreme heat.

Product vapors are heavier than air and may travel a long distance to a source of ignition and flash back.

Full protective equipment including self-contained breathing apparatus to avoid inhalation of vapors should be used.

Water spray should not be used except to keep down vapors or cool closed containers to prevent build-up of pressure. If water is used, fog nozzles are preferred.

SECTION 6 — ACCIDENTAL RELEASE MEASURES**CLEAN-UP AND CONTAINMENT:**

Remove all sources of ignition. Avoid heat, sparks, flames and anything which could cause fire.

Ventilate area of spill and adjacent low lying areas. Avoid breathing solvent vapors. Remove with inert absorbent materials and non-sparking tools.

SECTION 7 — HANDLING AND STORAGE**HANDLING:**

Wash hands thoroughly after handling.

STORAGE:

Store in a cool dry area with ventilation suitable for storing materials shown in section 2.

Keep away from heat, sparks and flame.

Store in a cool place away from direct sunlight or any source of ignition. Do not store at temperatures above 120 degrees F.

SECTION 8 — EXPOSURE CONTROLS/ PERSONAL PROTECTION**ENGINEERING CONTROLS:**

Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGIH's TLV limit.

RESPIRATORY PROTECTION:

If workplace exposure limits are exceeded for any component(see section 2 for hazardous components and exposure limits), a NIOSH/OSHA approved respirator suitable for components listed is recommended.

SKIN PROTECTION:

Chemical resistant plastic or rubber gloves recommended for prolonged or repeated contact.

EYE PROTECTION:

Chemical goggles with side shields or face shield recommended if contact with the eyes is likely.

OTHER PROTECTIVE EQUIPMENT:

Appropriate impervious clothing is recommended if prolonged or repeated contact is likely.

HYGIENIC PRACTICES:

Wash hands before eating or smoking. Smoke in designated areas only.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	5585.20 mm Hg @ 20 C
Vapor Density:	3.70
Boiling Range:	Lower - 1.0 øF Higher - 302.0 øF
Specific Gravity:	.896
Formula Weight per Volume:	7.4567 LB/GL
VOC (Calculated, LB/GAL):	3.954
VOC (Calculated, GM/L):	473.80
Percent Volatile by Weight:	63.4227
Percent Volatile by Volume:	83.6037
Evaporation Rate:	7.700 (n-Butyl Acetate = 1)
Viscosity:	-N/A

SECTION 10 — STABILITY AND REACTIVITY**CONDITIONS TO AVOID:**

Avoid contact with heat, sparks, and open flame.
Product may explode if heated. Keep cool, avoid exposure to heat.

INCOMPATIBILITIES:

Strong oxidizing agents.

DECOMPOSITION:

Thermal decomposition may produce carbon dioxide, carbon monoxide, and unidentifiable organic materials.
Product may produce toxic fumes when burned.

POLYMERIZATION:

No hazardous polymerization will occur under normal conditions.

STABILITY:

The product is stable under normal storage conditions.

SECTION 11 — TOXICOLOGICAL INFORMATION

No specific information is available. Please refer to Section 2 and 3 for available information on exposure limits and hazards identification.

SECTION 12 — ECOLOGICAL INFORMATION

No specific ecological information is available for this product.

SECTION 13 — DISPOSAL CONSIDERATIONS**WASTE DISPOSAL:**

Place in closed containers. Dispose of product in accordance with local, county, state, and federal regulations.

SECTION 14 — TRANSPORT INFORMATION**Ground shipment of limited or excepted quantities of aerosols or liquid paint in containers of 1 quart or less:**

CONSUMER COMMODITY, ORM-D

Ground shipment of liquid paint in containers more than 1 quart:

PAINT, FLAMMABLE LIQUID, UN1263, CLASS 3, GROUP II (Regulatory sources: DOT 49CFR 172.101)

Air shipment of limited or excepted quantities of aerosols or liquid paint in containers of 1 quart or less:

CONSUMER COMMODITY, ID 8000, CLASS 9 MISCELLANEOUS LABEL

(Regulatory sources: IATA Quantity Exemptions - Table 2.8.4, 2.7.A, 2.7.5, Packaging Instruction: 910)

OR

AEROSOLS, FLAMMABLE, UN1950, CLASS 2.1 LABEL

(Regulatory sources: IATA Quantity Exemptions - Table 2.8.1, 2.8.4, Packaging Instruction: Y203)

SECTION 15 — REGULATORY INFORMATION**SARA 313 INFORMATION:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

ETHYLBENZENE:

CAS#: 100-41-4 PCT BY WT: .3960

XYLENE:

CAS#: 1330-20-7 PCT BY WT: 2.1920

FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT: The chemical substances in this product are listed on the TSCA Section 8 inventory.

STATE REGULATIONS:

This product contains chemical(s) which are listed on California's proposition 65 list. If the product is to be sold or used in California a clear and reasonable warning must be provided such as:

Warning! This product contains a chemical or chemicals known to the State of California to cause cancer.

NEW JERSEY RIGHT-TO-KNOW

The following non-hazardous ingredients are among the top five components in this product.

_____ CHEMICAL NAME _____ CAS NUMBER

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

_____ CHEMICAL NAME _____ CAS NUMBER

INTERNATIONAL REGULATIONS:

CANADA: The chemical substances in this product are listed on the Canadian Domestic Substances List.

SECTION 16 — OTHER INFORMATION

The information contained on this MSDS is believed to be reliable and accurate. Due to the changing nature of government information, it is impossible to guarantee the accuracy of the information contained herein. Since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by the use of this material. This information should not be regarded as legal advice or regulation. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations. For questions relating to specific aspects of the requirements and regulations consult the proper regulatory agency.

HMIS RATINGS:

HEALTH: 2* FLAMMABILITY: 4 REACTIVITY: 0 PERSONAL PROTECTION: X