



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: SCHOOL BUS YELLOW PAINT

DATE PREPARED: JULY 28, 2008

PART NUMBER: 74146

PRODUCT TYPE: Paint

CHROMATE INDUSTRIAL CORPORATION

CHEM. FAMILY: Acetone/Propane/Glycol Ether

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SECTION 2 – COMPOSITION /DATA ON COMPONENTS

CHEMICAL DESCRIPTION: This product is a mixture of the substances listed below with nonhazardous additions.

DANGEROUS COMPONENTS:

67-64-1	Acetone	19.55%
74-98-6	Propane	15.76%
7727-43-7	Barium Sulfate, natural	9.34%
106-97-8	n-Butane	9.26%
2807-30-9	Glycol Ether EP	5.28%
108-10-1	Methyl Isobutyl Ketone	5.04%
108-65-6	PM acetate	3.24%
107-87-9	Methyl Propyl Ketone	3.23%
1330-20-7	Xylene (mix)	2.45%
110-19-0	Isobutyl Acetate	1.93%
13463-67-7	Titanium Dioxide	1.18%

Additional Information: For the wording of the listed risk phrases refer to section 3.

SECTION 3 – HAZARDS IDENTIFICATION

Hazard Description: Irritant. **EXTREMELY FLAMMABLE.**

Physical Dangers: **EXTREMELY FLAMMABLE.** Irritating to eyes and respiratory system. Vapors may cause drowsiness and dizziness. Keep out of the reach of children.

EFFECTS OF SHORT-TERM OVEREXPOSURE: Vapors cause irritation to the eyes, nose, throat, skin, and central nervous system. Symptoms may include dizziness, throat irritation, headache, fatigue, swelling of eyes and nausea.

EFFECTS OF CHRONIC OVEREXPOSURE: May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

NFPA RATINGS (SCALE 0 - 4):

Health: 1

Fire: 4

Reactivity: 3

SECTION 4 – FIRST AID MEASURES

HMIS-ratings (scale 0 - 4):

Health: 1

Fire: 4

Physical Hazard: 3

After Inhalation: Supply fresh air; consult doctor in case of complaints.

After Skin Contact: Remove contaminated clothing. Wash exposed area with soap and water.

After Eye Contact: Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

SECTION 5 – FIRE FIGHTING MEASURES

After Swallowing: Contact physician or poison control center.

Extinguishing Agents: CO₂, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Protective Equipment: No special measures required.

Personal Safety Precautions: Wear protective equipment. Keep unprotected persons away.

Environmental Safety Precautions: Inform appropriate authorities in case of seepage into water course or sewage system. Do not allow product to reach sewage systems or ground water.

Measures for Cleaning/Collecting: Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up spills with

SECTION 7 – HANDLING AND STORAGE

inert absorbent material. Refer to section 13 for disposal information.

Fire/Explosion Protection: Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic charges.

Storage Requirements: Observe pressurized container storage regulations. Consult with your local authorities. Keep away from sources

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

of heat and direct sunlight. Do not warehouse in subfreezing conditions.

Components with limit values that require monitoring at the workplace:

67-64-1 Acetone

PEL 2400 mg/m³, 1000 ppm

REL 590 mg/m³, 250 ppm

TLV Short-term value: 1782 mg/m³, 750 ppm

Long-term value: 1188 mg/m³, 500 ppm

BEI

7727-43-7 Barium Sulphate, natural

PEL 15* 5** mg/m³

*total dust **respirable fraction

REL 0* 5** mg/m³

*total dust **respirable fraction

TLV 110 mg/m³

E

106-97-8 n-Butane

REL 1900 mg/m³, 800 ppm

108-10-1 Methyl Isobutyl Ketone

PEL 410 mg/m³, 100 ppm

REL Short-term value: 300 mg/m³, 75 ppm

Long-term value: 205 mg/m³, 50 ppm

TLV Short-term value: 307 mg/m³, 75 ppm

Long-term value: 205 mg/m³, 50 ppm

BEI

108-65-6 PM Acetate

WEEL 50 ppm

107-87-9 Methyl Propyl Ketone

PEL 700 mg/m³, 200 ppm

TLV Short-term value: (881) NIC-529 mg/m³, (250) ppm

Long-term value: (705) mg/m³, (200) ppm

NIC-150

1330-20-7 Xylene (mix)

PEL 435 mg/m³, 100 ppm

REL Short-term value: 655 mg/m³, 150 ppm

Long-term value: 435 mg/m³, 100 ppm

TLV Short-term value: 651 mg/m³, 150 ppm

Long-term value: 434 mg/m³, 100 ppm

BEI

110-19-0 isobutyl acetate

PEL 700 mg/m³, 150 ppm

REL 700 mg/m³, 150 ppm

TLV 713 mg/m³, 150 ppm

Protective Hygienic Measures: Keep away from foodstuffs and animal feed. Wash hands after use.

Breathing Equipment: Use suitable respiratory protective device in case of insufficient ventilation. A respirator is generally not necessary when using this product outdoors or in large open areas. In cases of inadequate ventilation, a respiratory protective device should be worn to prevent overexposure.

Protection of Hands: Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

SECTION 9 – PHYSICAL/CHEMICAL CHARACTERISTICS

Eye Protection: Tightly sealed goggles.

GENERAL INFORMATION:

Form: Aerosol

Color: According to trade name description in section 1.

Odor: Solvent

Boiling Point/Boiling Range: -44°C (-47°F)

Flash Point: -19°C (-2°F)

Ignition Temperature: 230°C (446°F)

Auto-Igniting: Product is not self-igniting.

DANGER OF EXPLOSION: Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120°F. In use, may form flammable/explosive vapor-air mixture.

Lower Explosion Limit: 1.7 Vol %

Upper Explosion Limit: 10.9 Vol %

Vapor Pressure: ~40 PSI, 2750 hPa

Density at 20°C (68°F): 0.835 g/cm³

Specific Gravity: Between 0.77 and 0.85 (Water equals 1.00)

VOC Content: 501.5 g/l / 4.19 lb/gal

VOC content (less exempt solvents): 47.7 %

MIR Value: 1.09

SECTION 10 – STABILITY AND REACTIVITY

Solids Content: 32.4 %

Conditions to be Avoided: Do not allow the can to exceed 120°F. Stable at normal temperatures.

SECTION 11 – TOXICOLOGICAL INFORMATION

Possibility of Hazardous Reactions: No dangerous reactions known.

Primary Effect on the Skin: No irritant effect.

Primary Effect on the Eye: Irritating effect.

SECTION 12 – ECOLOGICAL INFORMATION

Sensitization: No sensitizing effects known.

Other Information: This product does not contain any chlorofluorocarbons (CFC's), chlorinated solvents, lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), or polybrominated diphenyl ether (PDBE). No specific ecological data is available for this product.

SECTION 13 – DISPOSAL CONSIDERATIONS

Acquatic Toxicity: Hazardous for water, do not empty into drains.

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

SECTION 14 – TRANSPORT INFORMATION

Recommendation: Empty cans should be recycled.

Hazard Class: 2.1

Identification Number: N/A

Label: 2.1+8

ADR/RID Class: 2 5FC Gases

UN-Number: 1950

IMDG Class: 2.1

Packaging Group: II

EMS Number: F-D,S-U

Marine Pollutant: No

ICAO/IATA Class: 2.1

Proper Shipping Name: Aerosols, Flammable

SECTION 15 – REGULATORY INFORMATION

Consumer Commodity ORM-D

SARA SECTION 355 (EXTREMELY HAZARDOUS SUBSTANCES): None of the ingredients in this product are listed.**SARA SECTION 313 (SPECIFIC TOXIC CHEMICAL LISTINGS):**

108-10-1 Methyl Isobutyl Ketone
 1330-20-7 Xylene (mix)

TSCA (Toxic Substances Control Act): All ingredients are listed.**PROPOSITION 65:** Chemicals known to cause cancer:

100-41-4 Ethyl Benzene

Canadian WHMIS: Class A, B5---Flammable Aerosols**EPA:****A=** Known human carcinogen**B=** Probable human carcinogen**C=** Possible human carcinogen**D=** Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).

1330-20-7 xylene (mix): D

110-19-0 isobutyl acetate: D

IARC:**Group 2B:** The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.**Group 3:** The ingredient is unclassifiable as to its carcinogenicity to humans.

1330-20-7 xylene (mix): 3

13463-67-7 titanium dioxide: 2B

ACGIH TLVs: A1-designates a confirmed human carcinogen.**A2:** Designates a suspected human carcinogen.**A3:** Designates an animal carcinogen.**A4:** Designates "not classifiable as a human carcinogen".

1330-20-7 xylene (mix): A4

110-19-0 isobutyl acetate: A4

13463-67-7 titanium dioxide: A4

NIOSH:

13463-67-7 titanium dioxide

1333-86-4 Carbon black

USDA (United States Department of Agriculture):

This product was manufactured to conform to the USDA Food Safety and Inspection Service performance standards. These standards include, but are not limited to, the ability of this product to be safe for use in official meat and poultry establishments, and to perform well under a daily regimen of thorough cleaning, cyclical temperature change, and wet conditions. This coating is acceptable for structural surfaces where there is a possibility of incidental food contact.

SECTION 16 – OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Contact: *Regulatory Affairs*