



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®
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FOR CHEMICAL EMERGENCY
Call ChemTrec day/night:
1-800-424-9300

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SEYMOUR GOLF COURSE STRIPING-WHITE

DATE PREPARED: February 27, 2009

PART NUMBER: 74050

CHROMATE INDUSTRIAL CORPORATION

PRODUCT TYPE: PAINT

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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:

74-98-6	PROPANE	17.63%
106-97-8	N-BUTANE	10.36%
64742-89-8	VM&P NAPHTHA	10.29%
13463-67-7	TITANIUM DIOXIDE	6.67%
1317-65-3	CALCIUM CARBONATE	4.8%
108-88-3	TOLUENE	3.05%
64742-47-8	MINERAL SPIRITS	2.93%
108-65-6	PM ACETATE	1.01%

SECTION 3 – HAZARDS IDENTIFICATION

HAZARD DESCRIPTION: Irritant, *EXTREMELY FLAMMABLE*

PHYSICAL DANGERS: *EXTREMELY FLAMMABLE*. Irritating to eyes. *KEEP OUT OF THE REACH OF CHILDREN.*

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

FLAMMABILITY: 3

REACTIVITY: 3

HMIS-RATINGS (SCALE 0 - 4):

HEALTH: 1

FLAMMABILITY: 3

PHYSICAL HAZARD: 3

SECTION 4 – FIRST AID MEASURES

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

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

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

Swallowing: Contact physician or poison control center.

SECTION 5 – FIRE-FIGHTING MEASURE

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

PROTECTIVE EQUIPMENT: No special measures required.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL SAFETY PRECAUTIONS: Wear protective equipment. Keep unprotected persons away.

ENVIRONMENTAL SAFETY PRECAUTIONS: Do not allow product to reach sewage systems or ground water.

MEASURES FOR CLEANING/ COLLECTING: Ensure adequate ventilation.

SECTION 7 – HANDLING AND STORAGE

FIRE/EXPLOSION PROTECTION: Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic discharges.

STORAGE REQUIREMENTS: Observe pressurized container storage regulations. Consult with your local authorities.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:**

74-98-6	PROPANE
	<i>PEL</i> 1800 mg/m ³ , 1000 ppm
	<i>REL</i> 1800 mg/m ³ , 1000 ppm
	<i>TLV</i> Varies mg/m ³ , 1000 ppm
106-97-8	N-BUTANE
	<i>REL</i> 1900 mg/m ³ , 800 ppm
	<i>TLV</i> Varies mg/m ³ , 1000 ppm
108-88-3	TOLUENE
	<i>PEL</i> <i>Short-term value:</i> C 300; 500* ppm
	<i>Long-term value:</i> 200 ppm
	<i>*10-min peak per 8-hr shift</i>
	<i>REL</i> <i>Short-term value:</i> 560 mg/m ³ , 150 ppm
	<i>Long-term value:</i> 375 mg/m ³ , 100 ppm
	<i>TLV</i> 75 mg/m ³ , 20 ppm
108-65-6	PM ACETATE
	<i>WEEL</i> 50 ppm

PROTECTIVE HYGIENIC MEASURES: Keep away from foodstuffs and animal feed. Wash hands after use.

BREATHING EQUIPMENT: A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. Please consult an authority on chemical hygiene monitoring if you suspect overexposure conditions exist and need a specific recommendation on proper ventilation techniques and personal protection.

PROTECTION OF HANDS: Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

EYE PROTECTION: Tightly sealed goggles

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**GENERAL INFORMATION:**

Odor: Aromatic

Boiling point/Boiling range: -44°C

Flash Point: -19°C

Ignition Temperature: 365°C

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: 0.9 Vol %

Upper Explosion Limit: 10.9 Vol %

Vapor Pressure: 40 PSI, 2750 hPa

DENSITY AT 20°C: 0.82285 g/cm³

SPECIFIC GRAVITY: Between 0.77 and 0.85 (Water equals 1.00)

VOC CONTENT: 513.0 g/l / 4.28 lb/gal

VOC CONTENT (LESS EXEMPT SOLVENTS): 45.5 %

WATER: 32.7 %

MIR VALUE: 45.5 %

MIR VALUE: 0.52

SOLIDS CONTENT: 21.5 %

SECTION 10 – STABILITY AND REACTIVITY DATA

CONDITIONS TO BE AVOIDED: Do not allow the can to exceed 120°F. Stable at normal temperatures.

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reactions known.

SECTION 11 – TOXICOLOGICAL INFORMATION

PRIMARY EFFECT ON THE SKIN: No irritant effect.

PRIMARY EFFECT ON THE EYE: Irritating effect.

Sensitization: No sensitizing effects known.

Additional Toxicological Information: The product shows the following dangers according to internally approved calculation methods for preparations:

SECTION 12 – ECOLOGICAL INFORMATION

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.

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

SECTION 13 – DISPOSAL CONSIDERATIONS

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.

RECOMMENDATION: Completely empty cans should be recycled.

SECTION 14 – TRANSPORT INFORMATION

Hazard Class: 2.1	Identification Number: N/A
Label: 2.1	ADR/RID class: 2 5F 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	Consumer Commodity: ORM-D

SECTION 15 – REGULATIONS

SARA Section 355 (extremely hazardous substances): None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings): 108-88-3 TOLUENE

TSCA (Toxic Substances Control Act): All ingredients are listed.

PROPOSITION 65: CHEMICALS KNOWN TO CAUSE CANCER: 100-41-4 ETHYL BENZENE

Chemicals known to cause developmental toxicity: 108-88-3 TOLUENE

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).

108-88-3 TOLUENE II

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.

13463-67-7 TITANIUM DIOXIDE 2B

108-88-3 TOLUENE 3

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"

13463-67-7 TITANIUM DIOXIDE A4

108-88-3 TOLUENE A4

NIOSH: 13463-67-7 TITANIUM DIOXIDE

SECTION 15 continued – REGULATIONS

HAZARD SYMBOLS: Irritant, *EXTREMELY FLAMMABLE*

RISK PHRASES: *EXTREMELY FLAMMABLE*. Irritating to eyes and respiratory system.

SAFETY PHRASES: *KEEP OUT OF THE REACH OF CHILDREN*. Keep container tightly closed in a cool place. Keep container in a well-ventilated place. Keep away from sources of ignition-No smoking. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. If swallowed, seek medical advice immediately and show this container or label. Use only in well-ventilated areas.

SPECIAL LABELING OF CERTAIN PREPARATIONS: *KEEP OUT OF THE REACH OF CHILDREN*.

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.

ABBREVIATIONS AND ACRONYMS:

ADR: (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

VOC: Volatile Organic Compounds (USA, EU)