



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

1. IDENTIFICATION

1.1 Product Identifier

PRODUCT NAME: Rust-away™ Rust Conversion Coating

PRODUCT FORM: Mixture.

PART NUMBER: 74157 (32 oz.), 74555 (1 gal.)

1.2 Relevant identified uses of the substance or mixture and uses advised against

DATE PREPARED: September 2, 2015

1.3 Details of the supplier of the safety data sheet

MANUFACTURER: CHROMATE INDUSTRIAL CORPORATION
5250-A Naiman Parkway, Solon, OH 44139 • www.chromate.com

EMERGENCY TELEPHONE NUMBER OF THE COMPANY: (888) 567-2206

PRODUCT INFORMATION TELEPHONE NUMBER: (888) 567-2206

REGULATORY INFORMATION TELEPHONE NUMBER: (888) 567-2206

1.4 Emergency telephone numbers

TRANSPORTATION EMERGENCY TELEPHONE NUMBER: (800) 424-9300

NATIONAL POISON CENTER: (800) 222-1222

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS-US classification:

Skin Irrit. 2 H315

Eye Irrit. 2A H319

Carc. 2 H351

STOT RE 2 H373

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :

GHS07



GHS08



Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H351 - Suspected of causing cancer

H373 - May cause damage to organs through prolonged or repeated exposure

2. HAZARDS IDENTIFICATION CONTINUED

Precautionary statements (GHS-US) :

- P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray
- P264 - Wash hands, forearms and face thoroughly after handling
- P280 - Wear eye protection, face protection, protective clothing, protective gloves
- P302+P352 - If on skin: Wash with plenty of water
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing
- P308+P313 - If exposed or concerned: Get medical advice/attention
- P314 - Get medical advice/attention if you feel unwell
- P321 - Specific treatment (see Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work on this label)
- P332+P313 - If skin irritation occurs: Get medical advice/attention
- P337+P313 - If eye irritation persists: Get medical advice/attention
- P362 - Take off contaminated clothing and wash before reuse
- P405 - Store locked up
- P501 - Dispose of contents/container to licensed waste handling facility

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable.

3.2. Mixture

Name	Product identifier	%
Kaolin	(CAS No) 1332-58-7	5 - 10
Distillates, petroleum, hydrotreated middle	(CAS No) 64742-46-7	1 - 5
2-Butoxyethanol	(CAS No) 111-76-2	1 - 5
Ammonium hydroxide	(CAS No) 1336-21-6	0.1 - 1
Octylphenol ethoxylate	(CAS No) 9036-19-5	0.1 - 1
Titanium dioxide	(CAS No) 13463-67-7	0.1 - 1

4. FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

Chronic symptoms : Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray. Sand.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Polymer film can burn.

Explosion hazard : Product is not explosive.

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Precautionary measures fire : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and protective suit (see section 8).

Other information : Material can splatter above 100°C / 212°F.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

See Sections 8 and 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Provide good ventilation in process area to prevent formation of vapour. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep the container tightly closed. Avoid freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Ammonium hydroxide (1336-21-6)

Remark (ACGIH) OELs not established

Remark (OSHA) OELs not established

Octylphenol ethoxylate (9036-19-5)

Remark (ACGIH) OELs not established

Remark (OSHA) OELs not established

Distillates, petroleum, hydrotreated middle (64742-46-7)

Remark (ACGIH) OELs not established

Remark (OSHA) OELs not established

Kaolin (1332-58-7)

ACGIH TWA (mg/m³) 2 (particulate matter containing no asbestos and < 1% crystalline silica, respirable fraction)

Remark (ACGIH) Pneumoconiosis

OSHA PEL (TWA) (mg/m³) 15 (total dust) 5 (respirable fraction)

Titanium dioxide (13463-67-7)

ACGIH TWA (mg/m³) 10

OSHA PEL (TWA) (mg/m³) 15 total dust

2-Butoxyethanol (111-76-2)

ACGIH TWA (ppm) 20

Remark (ACGIH) eye and upper respiratory tract irritation

OSHA PEL (TWA) (mg/m³) 240

OSHA PEL (TWA) (ppm) 50

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Gloves. Protective goggles. Protective clothing.



Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection : Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection : Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection : Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state :	Liquid
Appearance :	Syrupy liquid.
Color :	Various.
Odor :	Slight. Ammonia-like.
Odor Threshold :	No data available
pH :	No data available
Relative evaporation rate (butylacetate=1) :	< 1
Melting point :	No data available
Freezing point :	No data available
Boiling point :	100°C (212°F)
Flash point :	No data available
Auto-ignition temperature :	No data available
Decomposition temperature :	No data available
Flammability (solid, gas) :	No data available
Vapour pressure :	17.5 mm Hg (20°C)
Relative vapour density at 20 °C :	< 1 (Air = 1)
Relative density :	1 - 1.1 (H ₂ O = 1)
Solubility :	Water: Dilutable
Log Pow :	No data available
Log Kow :	No data available
Viscosity, kinematic :	No data available
Viscosity, dynamic :	No data available
Explosive properties :	No data available
Oxidising properties :	No data available
Explosive limits :	No data available

9.2. Other information

VOC content :	5.1 %
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10. STABILITY AND REACTIVITY

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity : Not classified

Ammonium hydroxide (1336-21-6)

LD50 oral rat 350 mg/kg

Distillates, petroleum, hydrotreated middle (64742-46-7)

LD50 oral rat 7400 mg/kg

LD50 dermal rabbit > 2000 mg/kg

Titanium dioxide (13463-67-7)

LD50 oral rat > 10000 mg/kg

2-Butoxyethanol (111-76-2)

LD50 oral rat 470 mg/kg

ATE CLP (oral) 500.000 mg/kg bodyweight

ATE CLP (dermal) 1100.000 mg/kg bodyweight

ATE CLP (gases) 4500.000 ppmv/4h

ATE CLP (vapours) 11.000 mg/l/4h

ATE CLP (dust,mist) 1.500 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

Ethyl acrylate (140-88-5)

IARC group 2B - Possibly carcinogenic to humans

Titanium dioxide (13463-67-7)

IARC group 2B - Possibly carcinogenic to humans

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure): May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

Chronic symptoms : Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - general : No information available.

12.2. Persistence and degradability

HCF F688

Persistence and degradability: No information available.

12.3. Bioaccumulative potential

HCF F688

Bioaccumulative potential: No information available.

12.4. Mobility in soil

HCF F688

Ecology - soil: No information available.

12.5. Other adverse effects

Other adverse effects : No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste treatment methods : Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

14. TRANSPORT INFORMATION

In accordance with DOT

Not hazardous for transport

Additional information

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

15. REGULATORY INFORMATION

15.1. US Federal regulations

HCF F688

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory
 All the constituents of this preparation are registered in the EINECS inventory or in the ELINCS list

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard
Delayed (chronic) health hazard

Ammonium hydroxide (1336-21-6)

Section 302 (EHS) TPQ
 Section 304 EHS RQ
 CERCLA RQ 1000 lb
 Section 313 Listed on US SARA Section 313

Ethyl acrylate (140-88-5)

Section 302 (EHS) TPQ
 Section 304 EHS RQ
 CERCLA RQ 1000 lb
 Section 313 Listed on US SARA Section 313

2-Butoxyethanol (111-76-2)

Section 302 (EHS) TPQ
 Section 304 EHS RQ
 CERCLA RQ
 Section 313 Listed on US SARA Section 313

Sodium nitrite (7632-00-0)

Section 302 (EHS) TPQ
 Section 304 EHS RQ
 CERCLA RQ 100 lb
 Section 313 Listed on US SARA Section 313

15.2. International regulations

No additional information available.

15.3. US State regulations

California Proposition 65

WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

Ethyl acrylate (140-88-5)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity Male	No significant risk level (NSRL) Not available
Yes	No	No	No	

15. REGULATORY INFORMATION

Titanium dioxide (13463-67-7)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	Not available

Ammonium hydroxide (1336-21-6)

- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Ethyl acrylate (140-88-5)

- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Massachusetts - Right To Know List
- U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
- U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

Kaolin (1332-58-7)

- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List
- U.S. - Massachusetts - Right To Know List

Titanium dioxide (13463-67-7)

- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

2-Butoxyethanol (111-76-2)

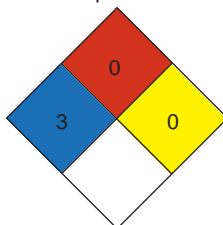
- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

16. OTHER INFORMATION

- NFPA health hazard :** 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
- NFPA fire hazard :** 0 - Materials that will not burn.
- NFPA reactivity :** 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

- Health : 3*
- Flammability : 0
- Physical : 0
- Personal Protection :



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.