

MATERIAL SAFETY DATA SHEET

Product: Alltrakote CS and SS

Date: 04/26/06

SECTION 1: CHEMICAL PRODUCT AND COMPANY
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Common Name: N/A
Chemical Name: Chemical Mixture
Formula: Chemical Mixture
Product CAS #: Chemical Mixture
Product Use: Corrosion Protective Coating

Supplier: Diamond Star Coatings, LLC
Address: 1413 Clover Road
City, State, Zip: Mishawaka, IN 46545
Telephone: (574)-255-9678

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS
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<u>INGREDIENT</u>	<u>CAS #</u>	<u>%WEIGHT</u>
Potassium Salt	In TSCA	10-40
Sodium Salt	In TSCA	10-30
Aluminum Compound	In TSCA	1-10
Silicates	In TSCA	1-20
Copper Chromite Spinel	68186-91-4	1-10
Pigment Black 28	{Pigment is FDA approved for use in food contact applications. FDA approval listing 21CFR-178.3297}	

INGREDIENT NOTES

Note 1: The percentages by weight values reported for the ingredients in this product represent approximate formulation values.

Note 2: See section 8 for Exposure Limits and Section 11 for Toxicological Information.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Black Viscous Liquid

No Odor

No Flash Point

Not a Fire or Explosion Hazard

Causes severe eye irritation.

May cause skin irritation.

Harmful if swallowed. May cause irritation of the gastrointestinal tract, nausea, vomiting, diarrhea, and may cause burns.

ROUTES OF ENTRY

Eyes? Yes

Skin? Yes

Inhalation? No

Ingestion? Yes

POTENTIAL HEALTH EFFECTS

Eye Contact causes severe irritation.

Skin Contact may cause irritation.

Ingestion is harmful. May cause irritation of the gastrointestinal tract, pain and burns of the mucous membranes.

CARCINOGENICITY

NTP? No

IARC? No

ACGIH? No

OSHA? No

CHRONIC HEALTH HAZARDS

Refer to Potential Health Effects

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

May aggravate existing skin ailments.

Note: See Section 8 for Exposure Limits, Section 11 for Toxicological Information and Section 12 for Ecological Information.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Hold eyelids open while flushing. If irritation persists, call a physician.

SKIN CONTACT: Flush with plenty of water. If irritation persists, call a physician.

INGESTION: If person is conscious and able to swallow, give large amounts of water to dilute. DO NOT induce vomiting. If vomiting occurs, keep head below hips to help prevent aspiration. Get medical attention immediately.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: Not Applicable
Auto-Ignition: None
LEL: Not Determined
UEL: Not Determined

NFPA HAZARD CLASSIFICATION

Health: 1 Flammable: 0 Reactivity: 0

HMIS HAZARD CLASSIFICATION

Health: 2 Flammable: 0 Reactivity: 0

EXTINGUISHING MEDIA

Use water, carbon dioxide or foam.

SPECIAL FIRE FIGHTING PROCEDURES

Wear protective clothing as specified in 29 CFR 1910.156.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

Not a fire or explosion hazard.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Contain spillage, soak up with inert absorbent and scoop into container for disposal or refer to EPA, DOT, state and local regulations regarding required dilution ratios to attain a specified pH for flushing non-regulated, non-toxic alkaline materials into plant effluent.

It is recommended that each user establish spill prevention, control and countermeasure plan (SPCC) consistent with federal, state and local regulations. Such a plan should include procedures applicable to proper storage, control, and clean up of spills and coating operations, including reuse or disposal as appropriate (see Section 13: Disposal Considerations).

In the event of an accidental release of this material, the above procedures should be followed. Additionally, proper personal protection equipment should be used (see Section 8: Exposure Control/Personal Protection: Disposal Considerations).

SECTION 7: HANDLING AND STORAGE

Wash thoroughly after handling and before eating, drinking or smoking. Store in a cool, dry location away from incompatible materials. Store in a closed container.

Avoid contact with eyes, skin and clothing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

<u>INGREDIENT</u>	<u>PEL-OSHA</u>	<u>TLV-ACGIH</u>
Potassium Salt CAS#: In TSCA	None Established	None Established
Sodium Salt CAS#: In TSCA	None Established	None Established
Aluminum Compound CAS#: In TSCA	10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)	10 mg/m ³ (as Al dust)
Silicates CAS#: In TSCA	6 mg/m ³	10 mg/m ³ (total dust)
Copper Chromite Spinel Pigment Black 28	0.05 mg/m ³	0.05 mg/m ³

Unless otherwise noted, all values are reported as 8-hour Time-Weighted Averages (TWAs) and total dust (particulates only). All OSHA and PEL numbers refer to 29 CFR Part 1910 Air Contaminants: Final Rule, January 19, 1989.

RESPIRATORY PROTECTION

Use a NIOSH/MSHA approved dust respirator as necessary. If respiratory protection is used, follow all requirements for respiratory programs set forth in OSHA regulations (29 CFR 1910.139).

VENTILATION

Use general or local exhaust ventilation as necessary to control any air contaminants to within their PEL or TLV limits during the use of this product.

PROTECTIVE EQUIPMENT

Chemical goggles.

Impervious gloves.

Body protection used as necessary to prevent skin contact.

<h2>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</h2>
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Appearance: Liquid

Odor: None

Boiling Point: @212 °F. **{Contains only water as a solvent}**

Specific Gravity: @1.2 g/cc

Melting Point: Not Determined

Vapor Pressure: Not Determined; expected to be similar to water, the only solvent.

Vapor Density: Not Determined; expected to be similar to water.

Evaporation Rate: Not Determined; expected to be similar to water.

% Solubility in Water: Not Determined; water is the only solvent.

pH: 10-12

SECTION 10: STABILITY AND REACTIVITY

Stability: Material is stable.

Avoid: None Expected.

INCOMPATIBILITY { Materials to Avoid}

Acids.

DECOMPOSITION BY-PRODUCTS

High temperature thermal decomposition at temperatures in excess of 4000 °F. may produce metal oxide fumes.

Polymerization: Polymerization is not expected to occur in sealed containers.

Avoid: Not Applicable.

SECTION 11: TOXICOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>% WEIGHT</u>	<u>LD50</u>	<u>LC50</u>
Potassium Salt CAS#: In TSCA	10-40	Not Available	Not Available
Sodium Salt CAS#: In TSCA	10-30	Not Available	Not Available
Aluminum Compound CAS#: In TSCA	1-10	Not Available	Not Available
Silicates CAS#: In TSCA	1-20	3160 mg/kg RAT, oral	Not Available
Copper Chromite Spinel Pigment Black 28	At 10% of coating weight >100 grams /L	RAT,oral	Not Available

NOTE: See Sections 3, 8 and 12 for additional information.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY

No data available. No adverse impact expected.

ENVIRONMENTAL FATE

No data available. No adverse impact expected. Reduction of the adverse effects of acid rain anticipated.

SECTION 13: DISPOSAL CONSIDERATIONS

US EPA Waste Number: Not Regulated

Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary). Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

NOTE: Chemical or pigment additions, processing or otherwise altering this material may make the waste management information presented above incomplete, inaccurate or otherwise inappropriate.

As local regulations may vary, all waste must be disposed/recycled/reclaimed in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

INTERNATIONAL

UN number: Not Regulated

UNITED STATES

EPA Waste Number: Not regulated

DOT Classification: Not regulated

CANADA

PIN Number: Not regulated

TDG Class: Not Regulated

EC

DGL: Not Determined

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA: In TSCA

SARA 311 AND 312 HAZARD CATEGORIES

Immediate (Acute) Health Hazard: YES

Delayed (Chronic) Health Hazard: NO

Fire Hazard: NO

Reactivity Hazard: NO

Sudden Release of Pressure: NO

SARA SECTION 313 NOTIFICATION

Yes – For Copper Chromite Spinel Pigment Black 28

OZONE DEPLETING SUBSTANCES {ODS}

This product neither contains nor is manufactured with an ozone depleting substance subject to the labeling requirements of the Clean Air Act Amendments 1990 and 40 CFR Part 82.

VOLATILE ORGANIC COMPOUNDS {VOC}

None – **Water is the only solvent present in the coating**

US STATE REGULATIONS

Volatile Organic Compound (CARB): None

CANADIAN REGULATIONS

DSL/NDSL: DSL

WHMIS Classification: Class D, Division 2, Subdivision B

EUROPEAN REGULATIONS

EINECS: Yes

OTHER REGULATIONS

MITI {Japan}: Yes

AICS {Australia}: Yes

SECTION 16: OTHER INFORMATION

The information in this Material Safety Data Sheet, Revision #2, should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, and management personnel and for persons working with or handling this product. The information presented in the MSDS is premised upon proper handling and anticipated uses and is for the material without chemical additions or alterations. We believe this information to be reliable and up-to-date as of the date of publication, but make no warranty that it is. Additionally, if this MSDS is more than three years old, please contact the supplier at the phone number listed in Section 1 to make certain that this sheet is current.