

CHINA JADE*Revision Date: 10/06***1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Chemical Name: Chemical Mixture
 Product Use: Colorant
 Supplier: TKB Trading, LLC
 356 24th Street
 Oakland, CA 94612
 510-451-9011
 fax 510-451-9044

For chemical emergency call CHEMTREC (24 hours) 1-800-424-9300

2. COMPOSITION AND INFORMATION ON INGREDIENTS

<i>Mica</i>	<i>37-54%</i>	<i>CI 77019</i>	<i>CAS 12001-26-2</i>	<i>EINECS 310-127-6</i>
<i>Iron Oxide Fe₂O₃</i>	<i>1-5%</i>		<i>CAS 1309-37-1</i>	
<i>Titanium Dioxide</i>	<i>44-53%</i>	<i>CI 77891</i>	<i>CAS 13463-67-7</i>	<i>EINECS 236-675-5</i>
<i>Chromium Oxide</i>	<i>1-5%</i>		<i>CAS 1308-38-9</i>	

3. HAZARDS IDENTIFICATION

<i>Physical State and Appearance</i>	<i>Sold, green powder</i>
<i>Emergency Overview</i>	<i>May cause respiratory tract, eye and skin irritation</i>
<i>Likely Routes of Exposure</i>	<i>Dermal Contact, eye contact, inhalation, ingestion</i>
<i>Potential Acute Health Effects</i>	
	<i>Eyes May be an irritant</i>
	<i>Skin May be an irritant</i>
	<i>Inhalation May be an irritant</i>

4. FIRST AID MEASURES

Inhalation: Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

Ingestion: If large quantities are ingested, seek medical advice. Not a hazard under normal use conditions.

Skin Contact: Wash with soap and water. Get medical attention if irritation persists.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Extinguishing Media: None. Does not Burn.

Fire Fighting Procedures: Positive Pressure, self-contained breathing apparatus.

Unusual Fire and Explosion Haz.: None



6. ACCIDENTAL RELEASE MEASURES

Spill procedure: Scoop up or vacuum into a container for reclamation or disposal.

7. HANDLING AND STORAGE

Store in a cool, dry place.
Material may be slippery when wet.
Avoid breathing dust.
Wash thoroughly after handling.
Avoid contact with eyes.
Use only with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient CAS Number	Weight in Percent (%)	OSHA PEL	ACGIH TLV
Chromium Oxide [Cr ₂ O ₃] 1308-38-9	1.0 - 5.0	0.5 mg/m ³ (as Cr)	0.5 mg/m ³ (as Cr)
Titanium Dioxide 13463-67-7	44.0 - 53.0	15 mg/m ³ (Total dust)	10 mg/m ³ (Total dust)
Mica 12001-26-2	37.0 - 54.0	20 mppcf	3 mg/m ³ (Respirable fraction)
Iron Oxide - Fe ₂ O ₃ 1309-37-1	1.0 - 5.0	10 mg/m ³ (as Fe, total particulate)	5 mg/m ³ (Respirable fraction)

Unless otherwise noted, all values are reported as 8-hour Time-Weighted Averages (TWAs) and total dust (particulate only). All ACGIH TLVs refer to the 2006 standards. Unless otherwise noted, all OSHA PELs refer to 29 CFR Part 1910.1000 Contaminants: Final Rule, June 30, 1993.

Personal Protective: Safety Glasses with side shields

Respiratory: Use an approved respirator as necessary to protect from dust.

Ventilation: General ventilation. Local exhaust ventilation is recommended to control exposures to within applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Powder
Color: Green
Odor: Odorless

Boiling Point, °C: Not Applicable
Melting Point, °C: Decomposes 3.2Kg/L
Bulk Density: 32.0g/100 cc
Vapor Pressure: Not Applicable
Specific Gravity: 3.2
Solubility (in water): Insoluble
pH: 6.0 - 11.0(4% H₂O)

10. STABILITY AND REACTIVITY

Stability: Evaluation notes were added to the output document. To get rid of these notes, please order your copy of ePrint 5.0 now.



Conditional Hazards to Avoid:	None Known
Incompatibility (Materials to Avoid):	None Known
Hazardous Decomposition Products:	None Known
Polymerization:	Will Not Occur
Polymerization - Avoid:	None Known

11. TOXICOLOGICAL INFORMATION

Ingredient CAS Number	Weight in Percent (%)	Acute Toxicity - Oral	Acute Toxicity - Inhalation	Acute Toxicity - Dermal	Acute T Ot
Chromium Oxide [Cr2O3] 1308-38-9	1.0 - 5.0	Not Available	Not Available	Not Available	Not Av
Titanium Dioxide 13463-67-7	44.0 - 53.0	> 5,000 mg/kg (rat)	Not Available	Not Available	Not Av
Mica 12001-26-2	37.0 - 54.0	Not Available	Not Available	Not Available	Not Av
Iron Oxide - Fe2O3 1309-37-1	1.0 - 5.0	Not Available	Not Available	Not Available	Not Av

Chronic Effects on Humans *The substance is toxic to lungs, upper respiratory tract, skin, eye, lens or cornea. Repeated or prolonged exposure to the substance can product target organs damage*

Acute Effects on Humans *May be hazardous in case of eye contact (irritant). May be hazardous in case of skin contact (irritant)*

May be hazardous in case of inhalation (lung irritant)

12. ECOLOGICAL INFORMATION

Information on Product
 Environmental Fate: No data Available
 Ecotoxicological Information: No data Available

13. DISPOSAL INFORMATION

US EPA Waste Number: Not regulated
 Disposal of Waste Method: This product, if disposed of as received, is a non-hazardous waste. Local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION



International Inventories:

United States:	This product or its ingredients are listed on or compliant with the TSCA Inver
Canada:	This product or its ingredients are listed on or compliant with the DSL.
Europe:	This product or its ingredients are listed on or compliant with EINECS.
Japan:	This product or its ingredients are listed on or compliant with MITI.
Australia:	This product or its ingredients are listed on or compliant with AICS.
Korea:	This product or its ingredients are listed on or compliant with the ECL.
Philippines:	This product or its ingredients are listed on or compliant with PICCS.
China:	This product or its ingredients are listed on or compliant with the IECSC.

US Federal Regulations:

Ingredient CAS Number	Weight in Percent (%)	Subject to SARA 313 Reporting
Chromium Oxide [Cr2O3] 1308-38-9	1.0 - 5.0	Yes
Titanium Dioxide 13463-67-7	44.0 - 53.0	No
Mica 12001-26-2	37.0 - 54.0	No
Iron Oxide - Fe2O3 1309-37-1	1.0 - 5.0	No

SARA 311/ 312 Hazard Categories:

Acute Health Hazard

16. OTHER INFORMATION

Prepared by: TKB Trading, LLC

The information in this Material Safety Data Sheet 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, management 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/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.

