

Safety Data Sheet

Issue Date:	30-Sep-2016	Revision Date:	01-Mar-2024		Vers	ion 1
		1. IDEN	TIFICATION			
<u>Product Ider</u> Product Nan		Green Plastisol				
Other means SDS #	s of identification	TD-042				
Recommend	led use of the chemica	al and restrictions on use	_			
Recommend	led Use	Not determined.				
Details of the Supplier Add Tolber Chem 220 West 5th Hope, AR 713	ical Division Street	<u>y data sheet</u>				
Company Ph	<u>Telephone Number</u> none Number Telephone (24 hr)	(870) 777-5759 INFOTRAC 1-352-323-3 1-800-535-5053 (North /				
		2. HAZARDS	IDENTIFICATION			
Appearance	Green liquid	Physical s	state Liquid		Odor	Slight
<u>Classificatio</u>	on					
Respiratory s Skin sensitiza				Category 1 Category 1		
<u>Signal Word</u> Danger	!					
Hazard state May cause al May cause an		oms or breathing difficulties	if inhaled			



Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray In case of inadequate ventilation wear respiratory protection Contaminated work clothing must not be allowed out of the workplace Wear protective gloves

Precautionary Statements - Response

IF ON SKIN: Wash with plenty of soap and water Wash contaminated clothing before reuse If skin irritation or rash occurs: Get medical advice/attention IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Please also refer to subsequent sections of this SDS for additional information regarding the components of this product.

Chemical Name	CAS No.	Weight-%
Barium Sulfate	7727-43-7	5-10
Chromium (Cr2O3)	1308-38-9	<1.0

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

General Advice	eneral Advice If exposed or concerned: Get medical advice/attention.		
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops or persists.		
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.		
Inhalation	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.		
Ingestion	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician. Get medical attention if symptoms occur.		

Most important symptoms and effects

Symptoms May cause eye irritation. Ingestion may cause irritation, nausea, vomiting. May be harmful if swallowed. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO2). Dry chemical. Alcohol resistant foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Non-flammable solution.

Hazardous Combustion Products Toxic gases may be formed by fire.

Explosion Data

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Remove all sources of ignition. Wear protective clothing as described in Section 8 of this safety data sheet.			
Environmental precautions				
Environmental precautions	See Section 12 for additional Ecological Information.			
Methods and material for containment and cleaning up				
Methods for Containment	Prevent further leakage or spillage if safe to do so.			
Methods for Clean-Up	Contain and collect with an inert absorbent and place into an appropriate container for disposal. For waste disposal, see section 13 of the SDS.			

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing must not be allowed out of the workplace.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.
Incompatible Materials	Strong oxidizing agents. Aluminum. Phosphorus.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Barium Sulfate 7727-43-7	TWA: 5 mg/m ³ inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Chromium (Cr2O3) 1308-38-9	TWA: 0.5 mg/m ³ Cr	TWA: 0.5 mg/m ³ Cr (vacated) TWA: 0.5 mg/m ³ Cr	IDLH: 25 mg/m ³ Cr(III) TWA: 0.5 mg/m ³ Cr
Calcium Oxide 1305-78-8	TWA: 2 mg/m ³	TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³ not in effect as a result of reconsideration	IDLH: 25 mg/m ³ TWA: 2 mg/m ³
Barium 7440-39-3	TWA: 0.5 mg/m ³	(vacated) TWA: 0.5 mg/m ³	-
Vinyl chloride 75-01-4	TWA: 1 ppm	TWA: 1 ppm STEL: 5 ppm see 29 CFR 1910.1017	-
Zinc oxide 1314-13-2	STEL: 10 mg/m ³ respirable particulate matter TWA: 2 mg/m ³ respirable particulate matter	TWA: 5 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 5 mg/m ³ fume (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction (vacated) STEL: 10 mg/m ³ fume	IDLH: 500 mg/m ³ Ceiling: 15 mg/m ³ dust TWA: 5 mg/m ³ dust and fume STEL: 10 mg/m ³ fume
Crystalline silica 14808-60-7	TWA: 0.025 mg/m ³ respirable particulate matter	 TWA: 50 μg/m³ TWA: 50 μg/m³ excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays (vacated) TWA: 0.1 mg/m³ respirable dust (250)/(%SiO2 + 5) mppcf TWA respirable fraction (10)/(%SiO2 + 2) mg/m³ TWA respirable fraction 	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust
Phenol 108-95-2	TWA: 5 ppm S*	TWA: 5 ppm TWA: 19 mg/m ³ (vacated) TWA: 5 ppm (vacated) TWA: 19 mg/m ³ (vacated) S* S*	IDLH: 250 ppm Ceiling: 15.6 ppm 15 min Ceiling: 60 mg/m ³ 15 min TWA: 5 ppm TWA: 19 mg/m ³
Diethylene Glycol Monobutyl Ether 112-34-5	TWA: 10 ppm inhalable fraction and vapor	-	-

Appropriate engineering controls

Engineering Controls	Good general ventilation should be used. Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses with side shields or chemical goggles. Refer to 29 CFR 1910.133 for eye and face protection regulations.
Skin and Body Protection	Wear protective gloves and protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Appearance Color	Liquid Green liquid Green	Odor Odor Threshold	Slight Not determined
Property_	Note: These physical properties an estimated values for this product and not specifications	e Remarks • Method	
pH Melting Point/Freezing Point Boiling Point/Boiling Range Flash Point Evaporation Rate Flammability (Solid, Gas) Flammability Limits in Air Upper Flammability Limits Lower Flammability Limits Vapor Pressure Vapor Density Relative Density Water Solubility Solubility in other solvents Partition Coefficient Auto-ignition Temperature Decomposition Temperature Kinematic Viscosity Explosive Properties Oxidizing Properties	Not determined -48 °C / -54.4 °F Not available 240 °C / 464 °F Not available n/a-liquid Not determined Not determined		
Other Information VOC Content (%) Density	0.08% 10.42 lbs/gal		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Incompatible Materials.

Incompatible Materials

Strong oxidizing agents. Aluminum. Phosphorus.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	May cause temporary irritation on eye contact.
Skin Contact	May cause an allergic skin reaction. Prolonged contact may cause redness and irritation.
Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Ingestion	May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50	
Water	> 90 mL/kg (Rat)	-	-	
7732-18-5				
Chromium (Cr2O3)	> 5000 mg/kg (Rat)	-	-	
1308-38-9				
Calcium Oxide	= 500 mg/kg (Rat)	-	-	
1305-78-8				
Barium	= 132 mg/kg (Rat)	-	-	
7440-39-3				
Vinyl chloride	= 500 mg/kg (Rat)	-	= 18 pph (Rat) 15 min	
75-01-4				
Phenol	= 340 mg/kg (Rat) = 317 mg/kg (= 630 mg/kg (Rabbit)	= 316 mg/m ³ (Rat)4 h	
108-95-2	Rat)			
Diethylene Glycol Monobutyl Ether	= 5660 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-	
112-34-5				
Zinc oxide	> 5000 mg/kg (Rat)	-	-	
1314-13-2				
Crystalline silica	= 500 mg/kg (Rat)	-	-	
14808-60-7				
Propylene Glycol	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-	
57-55-6				

Information on physical, chemical and toxicological effects

Symptoms

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

CarcinogenicityThe table below indicates whether each agency has listed any ingredient as a carcinogen.
However, the product as a whole has not been tested. Silica (quartz) is a possible
carcinogen when it appears as a respirable dust.

Chemical Name	ACGIH	IARC	NTP	OSHA
Chromium (Cr2O3)		Group 3		
1308-38-9				
Vinyl chloride	A1	Group 1	Known	Х

75-01-4				
Phenol 108-95-2		Group 3		
Crystalline silica 14808-60-7	A2	Group 1	Known	Х

Legend ACGIH (American Conference of Governmental Industrial Hygienists) A1 - Known Human Carcinogen A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans Group 3 IARC components are "not classifiable as human carcinogens"

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)

5,005.00 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Calcium Oxide 1305-78-8		1070: 96 h Cyprinus carpio mg/L LC50 static	
Vinyl chloride 75-01-4	943: 48 h Chilomonas paramecium mg/L EC50	210: 96 h Brachydanio rerio mg/L LC50	
Phenol 108-95-2	46.42: 96 h Pseudokirchneriella subcapitata mg/L EC50 187 - 279: 72 h Desmodesmus subspicatus mg/L EC50 static 0.0188 - 0.1044: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	31: 96 h Poecilia reticulata mg/L LC50 semi-static 33.9 - 43.3: 96 h Oryzias latipes mg/L LC50 flow-through 32: 96 h Pimephales promelas mg/L LC50 4.23 - 7.49: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.00175: 96 h Cyprinus carpio mg/L LC50 semi-static 11.9 - 25.3: 96 h Lepomis macrochirus mg/L LC50 flow-through 34.09 - 47.64: 96 h Poecilia reticulata mg/L LC50 static 7.5 - 14: 96 h Oncorhynchus mykiss mg/L LC50 static 13.5: 96 h Lepomis macrochirus mg/L LC50 static 20.5 - 25.6: 96 h Pimephales promelas mg/L LC50 static 11.9 - 50.5: 96 h Pimephales promelas mg/L LC50 flow-through 5.0 - 12.0: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 5.0 - 12.0: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 5.0 - 12.0: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 5.0 - 12.0: 96 h Dncorhynchus mykiss mg/L LC50 flow-through 5.0 - 12.0: 96 h Dncorhynchus mykiss mg/L LC50 flow-through 5.0 - 12.0: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 27.8: 96 h Brachydanio rerio mg/L LC50 23.4 - 36.6: 96 h Oryzias latipes mg/L LC50 static 11.5: 96 h Lepomis macrochirus mg/L LC50 semi-static	
Diethylene Glycol Monobutyl Ether 112-34-5	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	100: 48 h Daphnia magna mg/L EC50 2850: 24 h Daphnia magna mg/L EC50
Propylene Glycol 57-55-6	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	710: 96 h Pimephales promelas mg/L LC50 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 51400: 96 h Pimephales	1000: 48 h Daphnia magna mg/L EC50 Static 10000: 24 h Daphnia magna mg/L EC50

	romelas mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L	
	LC50 static	

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

<u>Mobility</u>

Chemical Name	Partition Coefficient
Vinyl chloride 75-01-4	1.58
Phenol	1.5
108-95-2	

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Barium 7440-39-3		Included in waste stream: F039	100.0 mg/L regulatory level	
Vinyl chloride 75-01-4	U043	Included in waste streams: F024, F025, F039, K019, K020, K028, K029	0.2 mg/L regulatory level	U043
Phenol 108-95-2	U188	Included in waste streams: F039, K001, K022, K087 Included in waste stream: K060		U188

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Chromium (Cr2O3)	Toxic
1308-38-9	Corrosive
	Ignitable
Calcium Oxide	Corrosive
1305-78-8	
Barium	Toxic
7440-39-3	Ignitable
Phenol	Toxic
108-95-2	Corrosive
Zinc oxide	Toxic
1314-13-2	

	14. TRANSPORT INFORMATION						
<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.						
DOT	Not regulated						
IATA	Not regulated						
IMDG	Not regulated						

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Water	Х	Х	Х		Х	Present	Х	Х
Barium Sulfate	Х	Х	Х	Present	Х	Present	Х	Х
Chromium (Cr2O3)	Х	Х	Х	Present	Х	Present	Х	Х
Calcium Oxide	Х	Х	Х	Present	Х	Present	Х	Х
Barium	Х	Х	Х		Х	Present	Х	Х
Vinyl chloride	Х	Х	Х	Present	Х	Present	Х	Х
Phenol	Х	Х	Х	Present	Х	Present	Х	Х
Diethylene Glycol Monobutyl Ether	Х	Х	Х	Present	Х	Present	Х	Х
Zinc oxide	Х	Х	Х	Present	Х	Present	Х	Х
Crystalline silica	Х	Х	Х	Present	Х	Present	Х	Х
Propylene Glycol	Х	Х	Х	Present	Х	Present	Х	Х

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Barium	1000 lb		RQ 1000 lb final RQ
7440-39-3	1 lb		RQ 454 kg final RQ
Vinyl chloride 75-01-4	1 lb		RQ 1 lb final RQ RQ 0.454 kg final RQ
Phenol 108-95-2	1000 lb	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ

SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical

Chemical Name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Barium Sulfate - 7727-43-7	7727-43-7	5-10	1.0

CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Chromium (Cr2O3)		Х		
Vinyl chloride		Х	Х	
Phenol	1000 lb	Х	Х	Х
Zinc oxide		Х		

US State Regulations

<u>California Proposition 65</u> This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65	
Crystalline silica - 14808-60-7	Carcinogen	
Vinyl chloride - 75-01-4	Carcinogen	

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Barium Sulfate 7727-43-7	X	X	X
Calcium Oxide 1305-78-8	Х	X	Х
Barium 7440-39-3	Х	X	Х
Phenol 108-95-2	Х	X	Х
Diethylene Glycol Monobutyl Ether 112-34-5	Х		Х
Zinc oxide 1314-13-2	Х	X	Х
Crystalline silica 14808-60-7	Х	X	Х
Propylene Glycol 57-55-6	Х		Х

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability 0	Special Hazards Not determined	
<u>HMIS</u>	Health Hazards	Flammability	Physical hazards	Personal Protection	
Chronic Hazard Star Legend *= Chronic Health Hazard		Ū	~		
Issue Date:	30-Sep-	2016			
Revision Date:	01-Mar-2	01-Mar-2024			
Revision Note:	New for	New format			

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet