

SAFETY DATA SHEET

Issue Date 12-2-2014

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Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name #35 Flake White – Tints All

Other Means of Identification

Product Code 192

Recommended Use of the Chemical and Restrictions on Use

Universal Tinting color

Details of the Supplier of the Safety Data Sheet

Supplier Address
SHEFFIELD BRONZE PAINT CORP.
17814 S. WATERLOO RD.
CLEVELAND, OHIO 44119

Emergency Telephone Number

Company Phone Number 216-481-8330
Emergency Telephone 1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids: Category 3
Serious Eye irritation: Category 2A
Aquatic Hazard: Category 1

Signal Word

WARNING

Symbols



Emergency Overview:

Physical State: Liquid
Color: White
Odor: Characteristic

OSHA/HCS status:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard Statements

- H226: Flammable liquid and vapor.
- H316: Causes mild skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.

Precautionary Statements - Prevention

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233: Keep container tightly closed.
- P240: Ground and bond container and receiving equipment.
- P241: Use explosion-proof electrical, ventilating and lighting equipment.
- P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.
- P264: Wash face, hands and any exposed skin thoroughly after handling.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements – Response

- P303+P361+P353: IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 +P313: If eye irritation persists: Get medical advice/attention.

Precautionary Statements – Storage

- P403 + P233: Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Precautionary Statements – Disposal

- P501: Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION

Chemical Name	CAS No	Weight - %
Titanium Dioxide	13463-67-1	25 – 35
Calcium Carbonate	471-34-1	35 - 50
Ethoxylated Surfactant	68154-97-2	2 - 6
Nonylphenol, Ethoxylated Surfactant	127087-87-0	8 - 12
Diacetone Alcohol	123-42-2	10 - 20
Additives	Proprietary	0 - 1

4. FIRST AID MEASURES

First Aid Measures

- Eye Contact** **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses. Immediately flush eyes thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. If eye irritation persists: Get medical advice/attention.
- Skin Contact** **IF ON SKIN:** Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Seek medical attention if irritation occurs.
- Inhalation** **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion** **IF SWALLOWED:** immediately call a poison center or doctor. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Most Important Symptoms and Effects, both acute and Delayed

- Symptoms** Direct contact with eyes causes serious irritation. Harmful if inhaled. May cause irritation to the mucous membranes and upper respiratory tract. Choking, coughing and headache may occur.

Indication of any Immediate Medical Attention and Special Treatment Needed

- Note to Physicians** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry Chemical CO₂, Halon.

Unsuitable Extinguishing Media Do not use water

Specific Hazards Arising from the Chemical

Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst. Runoff to sewer may create fire or explosion hazard.

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 Use personal protective equipment as required. Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Methods and Material for Containment and Cleaning Up

Methods for Containment. For small spills, absorb on poly-pads or other suitable non-reactive absorbent material. Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Eliminate all sources of ignition. Use non-sparking hand tools and explosion-proof electrical equipment. Sweep up and shovel into suitable containers for disposal. Discard Any product, residue, disposable container or liner in full compliance with federal, State and local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling & Storage

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Keep away from heat, sparks, flame and other sources of ignition. All equipment used when handling the product must be grounded.

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, sparks or open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACHIH TLV	OSHA PEL	NIOSH IDLH
Titanium Dioxide	TWA 15mg/m ³	Data Not Available	Data Not Available
Calcium Carbonate	TWA 10mg/m ³	Data Not Available	Data Not Available
Ethoxylated Surfactant	Data Not Available	Data Not Available	Data Not Available
Nonylphenol, Ethoxylated Surfactant	Data Not Available	Data Not Available	Data Not Available
Diacetone Alcohol	TWA 50 ppm	PEL 50 ppm	Data Not Available

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or other biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Appropriate Engineering Controls: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and the using the bathroom and at the end of the working periods.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection	Avoid contact with eyes. Wear safety eyewear.
Skin and Body Protection	Wear suitable protective clothing. Use impervious gloves.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Characteristic
Appearance	White	Odor Threshold	Not determined
Color	White		

Property

Values

pH		Not determined	
Melting Point/Freezing Point		Not determined	
Boiling Point/Boiling Range		337° F	
Flash Point		138° F	
Evaporation Rate		Slower than Butyl Acetate	
Flammability (Solid, Gas)		n/a-liquid	
Upper Flammability Limits		Not determined	
Lower Flammability Limits		Not determined	
Vapor Pressure		Not determined	
Vapor Density		Heavier than Air	
Specific Gravity		Not determined	
Water Solubility		Soluble in water	
Solubility in Other Solvents		Not determined	
Partition Coefficient		Not determined	
Auto ignition Temperature		Not determined	
Threshold Limit Value		50 ppm or 240 mg/m ³ TWA (8hr. Workday)	
Decomposition Temperature Kinematic		Not determined	
Viscosity		Not determined	
Dynamic Viscosity		Not determined	
Explosive Properties Oxidizing		Heated drums can explode	
Properties		Not determined	
VOC Properties		2.35 lb/Gallon; 283 Grams/Litre	
Percent Volatile by:	Weight	Volume	Weight per Gallon
	14	27.8	15.9 lbs.

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.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children. Avoid all possible sources of ignition (spark or flame).

Incompatible Materials

Strong oxidizers, acids, peroxides, alkalies and halogenated hydrocarbons.

Hazardous Decomposition Products

In a fire: Carbon Monoxide, Carbon Dioxide and Hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact Causes serious eye irritation. **Skin Contact** No relevant data found
Inhalation No relevant data found **Ingestion** No relevant data found.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium Dioxide	Data not available	>5500mg/kg rat	Data not available
Calcium Carbonate	LD50> 6,450 mg/kg rat	Data not available	Data not available
Ethoxylated Surfactant	Data not available	Data not available	Data not available
Nonylphenol, Ethoxylated Surfactant	>3314 mg/kg rat	>3000 mg/kg rabbit	Data not available
Diacetone Alcohol	4 g/kg (rat)	14.5 ml/kg (rabbit)	Data not available

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

Carcinogenicity This product does not contain carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Material expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Titanium Dioxide	EC50>100mg/l Green algae	LC50> 1,000mg/l Fathead minnow	Data not available	Data not available
Calcium Carbonate	Data not available	Data not available	Data not available	Data not available
Ethoxylated Surfactant	Data not available	Data not available	Data not available	Data not available
Nonylphenol, Ethoxylated	Data not available	LC50> Fish 1-8.6 mg/l	Data not available	Data not available
Diacetone Alcohol	Data not available	LC50> 420mg/196hrs. Lepomis macrochirus	Data not available	Data not available

Persistence and Degradability

Not determined

Bioaccumulation

Not determined

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.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special Circumstances.

DOT UN1263, Paint, 3, III

IATA Not available.

IMDG Not available.

TDG Not available.

15. REGULATORY INFORMATION**International Inventories**

Chemical Name	TSCA	DSL	NDSL	AICS	NZ10C	INECS	ELINCS	ENCS	IECSC	KECL	PICCS
Titanium Dioxide	Present	Present		Present	Present	Present		Present	Present	Present	Present
Calcium Carbonate	Present	Present		Present	Present		Present	Present	Present	Present	Present
Diacetone alcohol	Present	Present		Present	Present			Present	Present	Present	Present

Legend: TSCA – United States Toxic Substances Control Act Section 8 (b) Inventory
 DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List
 NZIOC – New Zealand Inventory of Existing Chemical Substances
 INECS/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 Chemicals and Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

California Prop 65:

Potential exposure to some or all of the California Proposition 65 chemicals in this product have been determined to be below the "NO SIGNIFICANT RISK LEVEL" (NSRL).

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

U.S. State Right-to-Know Regulations

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Minnesota	Rhode Island
Titanium Dioxide	X		X		
Calcium Carbonate	X	X	X		
Diacetone Alcohol	X	X	X	X	

16. OTHER INFORMATION

NFPA	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
HMIS	Health Hazards 2	Flammability 2	Physical Hazards 0	Personal Protection B

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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