

SAFETY DATA SHEET



TECHNICAL INDUSTRIAL SALES
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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Marking White
Product Number: TIS-185
Date Prepared/Revision: December 14, 2015
Responsible name: Regulatory and Safety Compliance
Relevant uses of this product: Marking or Striping Paint with abrasion resistance additive.

SECTION 2. HAZARDS IDENTIFICATION

OSHA/HCS Status This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Classification of the Substance or mixture Not Classified.

GHS label elements
Signal Word No Signal Word

Hazard statements No known significant effects or critical hazards

Precautionary Statements

General Read label before use. Keep out of reach of children. If medical advice is needed have product container, label or this MSDS at hand.
Prevention Not applicable.
Response Not applicable
Storage Not applicable
Disposal Not applicable
Hazards not otherwise Classified None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture	Mixture	
Ingredient name	%	CAS number

Occupational exposure limits, if available are listed in Section 8.

Any concentration shown as a range is to protect confidentiality or is due to batch variation. Based on intended use and resulting curing of this product, exposure to the above substances should only occur during sanding or other disruptive forces on this product that would produce dusts or other respirable residues. There are no additional ingredients present in this product that require reporting in this section.

SECTION 4. FIRST AID MEASURES

Description of necessary first aid measures.

EYE CONTACT	Immediately flush with large quantities of clean water for at least 15 minutes, lifting upper and lower eyelids occasionally. Check for and remove any contact lenses. Get medical attention if irritation persists.
INHALATION	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Repeated or prolonged skin contact with liquid may cause irritation.
SKIN CONTACT	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
INGESTION:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards
Skin Contact	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards

Over-exposure signs/symptoms

Eye contact	No Specific data
Inhalation	No Specific data
Skin contact	No Specific data
Ingestion	No Specific data

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically. Contact; poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments No specific treatment...

Protection of first-aiders No action shall be taken involving any personal risk or without suitable training.

Section 5. Fire-fighting measures

Extinguishing Media

Suitable extinguishing Media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None Known
Specific hazards arising From the chemical	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal Decomposition products	Decomposition products may include carbon dioxide and/or carbon monoxide
Special protective actions Fire-fighters	Promptly isolate the scene by removing all persons from the area of the incident there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective Equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.
Remark	This product is non-flammable-non-combustible

SECTION 6. ACCIDENTAL SPILL OR RELEASE PROCEDURES

Personal precautions, protective equipment and emergency procedures.

For non-emergency Personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillage into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures	Put on appropriate personal protective equipment (see Section 8).
Recommended general Occupational hygiene	Eating, drinking, smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe Storage, including and Incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION EQUIPMENT

Control parameters

Occupational exposure limits

Ingredient name

Exposure Limits

None requiring listing

Appropriate engineering Controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental Exposure Controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection Legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures



Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Approved waterless hand cleaners are effective for removing this material.

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection:
Safety glasses with side shields.

Skin protection

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection If a risk assessment indicates need of respirator, use a properly fitted appropriately designed approved respirator for the anticipated exposure protection.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid Paint Concentrate
Color:	White
Odor:	Slight Latex odor
Boiling Point:	>200 deg. F
Vapor Pressure:	Not Available
Vapor Density:	>1 (Air = 1)
Specific Gravity:	1.27 – 1.28 (10.58-10.66 lbs/gal)
% Solids Weight:	58-59%
Percent Volatiles:	Approx. 42% by vol. (as water)
VOC:	0.01 #/gal (4.54 grams/liter)
HAPS:	None
Evaporation Rate:	Not determined for product
PH:	9.0 +/- 0.5
Flash Point:	Non-flammable
Flammability:	Non-flammable
Solubility:	Dispersible in Water
Viscosity:	650-850 Centipoise

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Not available for product
Chemical stability:	This product is stable
Hazardous reactions:	Will not occur
Conditions to Avoid:	None Known
Incompatibility:	No specific data
Hazardous Decomposition:	Under normal use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

<u>Acute toxicity</u>	<u>Product/ingredient name</u>	<u>Result</u>	<u>Species</u>	<u>Dose</u>	<u>Exposure</u>
	Not Available				

<u>Irritation/Corrosion</u>	Not Available
<u>Sensitization</u>	Not Available
<u>Mutagenicity</u>	Not Available
<u>Carcinogenicity</u>	Not Available

Classification

<u>Product/ingredient name</u>	<u>OSHA</u>	<u>IARC</u>	<u>NTP</u>
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Reproductive Toxicity

Not Available

Teratogenicity

Not Available

Specific target organ toxicity (single or repeated exposure)

Not Available

Aspiration Hazard

Not Available

Likely routes of exposure

Routes of entry anticipated: Dermal, Inhalation

Potential chronic health effects

Not Available

Conclusion/Summary

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose, and throat. Repeated inhalation of dust can produce varying degrees of respiratory irritation or lung damage.

General

Carcinogenicity

No known significant effects or critical hazards

Mutagenicity

No known significant effects or critical hazards

Teratogenicity

No known significant effects or critical hazards

Developmental effects

No known significant effects or critical hazards

Teratogenicity

No known significant effects or critical hazards

Fertility affects

No known significant effects or critical hazards

Acute toxicity estimates

Not Available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Not Available

Persistence and degradability

Not Available

Other adverse effects No known significant effects or critical hazards

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

EPA HAZARDOUS WASTE CODE: NONE

Generation of wastes should be avoided or minimized. Product must be disposed of properly by a licensed waste disposal contractor under Federal and State regulations for industrial wastes. Recommended disposal is incineration or Disposal in a Class D landfill of absorbed wastes pending approval. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

As delivered, this product when spilled, released or disposed of, is a non-hazardous waste as defined in RCRA regulations 40 CFR Part 261.

SECTION 14. TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Marking White (TIS-185)
DOT HAZARD CLASS: None
DOT IDENTIFICATION NO. None
DOT PACKING GROUP: None
DOT RQ FOR PRODUCT: NA
DOT MARINE POLLUTANT: NA

TDG NAME: Marking White (TIS-185)
TDG CLASS: None
PIN NUMBER: None
WHMIS: D 2 B

SECTION 15. REGULATORY INFORMATION

U.S. Federal regulations **United States inventory:** The ingredients of this product are listed on or exempted by the United States inventory (TSCA 8b).

SARA 311/312
Classification Not Applicable

California Prop. 65
WARNING: This product contains a chemical known to the State of California to cause cancer.

Ingredient name **Cancer** **Reproductive**

WHMIS (Canada): Class D-2A Material causing other toxic effects
Canada Inventory All components are listed or exempted

International regulations

International lists	Australia inventory (AICS)	Not Determined
	China inventory (IECSC)	Not Determined
	Japan inventory	Not Determined
	Korea inventory	Not Determined
	Malaysia inventory (EHS Register)	Not Determined
	New Zealand inventory of Chemicals (NZIoC)	Not Determined
	Philippines inventory (PICCS)	Not Determined
	Taiwan inventory (CSNN)	Not Determined

European Chemical Agency: This product does not contain any ECHS substances.

SECTION 16. OTHER INFORMATION

National Fire and Protection Association (U.S.A)

NFPA

Health 1
Flammability 0
**Instability/
Reactivity** 1

HMIS

Health 1
Flammability 0
Physical Hazards 0

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.