



GHS SAFETY DATA SHEET

Date Revised: 6/1/2015

Supersedes: 1/16/15

Swarcotherm Thermoplastic Marking Alkyd Formulation (All Colors)

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Swarcotherm Thermoplastic Marking Alkyd Formulation (All Colors)

PRODUCT USE: Thermoplastic Road Marking Compound

SUPPLIER/MANUFACTURER: Swarco Industries, Inc.

919 N. James Campbell Blvd.

Columbia, TN 38401

Ph: (931) 388-5900

Fax:(931) 388-4039

EMERGENCY: 1-800-535-5053

Website: www.swarco.com/americas

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Swarcotherm Thermoplastic is not considered to be hazardous by the EPA under 29 CFR 1910.1200.

GHS LABEL:



SIGNAL WORD:

WARNING

Hazard Statements

Contains greater than 0.1% crystalline silica, which is classified as a Group 1 carcinogen by IARC, a known carcinogen by NTP, OSHA and as an A2 suspected human carcinogen by ACGIH.

Dust may cause irritation to the eyes.

May cause irritation by the inhalation of dust.

May cause an allergic skin reaction.

Contact with material in a molten form can cause serious burns.



Precautionary Statements

Avoid breathing dust, wear a dust mask

Overexposure to dust may cause temporary irritation.

Avoid breathing dust/fume/gas/vapors.

Avoid all contact if an allergic reaction is evident

Use personal protective equipment as required



SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Concentration
Calcium Carbonate	471-34-1	30-50%
Glass Oxide; Glass	65997-17-3	30-50%
Maleic Modified Glycerol Rosin Ester	94581-16-4	10-25%
Titanium Dioxide	13463-67-7	1-12%
Rosin Ester	8050-26-8	1-9%
Paraffinic Wax	9002-88-4	1-5%
EVA	24937-78-8	1-5%
Oil	Proprietary	1-5%

SECTION 4 - FIRST AID MEASURES

Contact with eyes: Remove contact lenses, if present and easy to do. Continue rinsing, irrigate copiously with clean, fresh water for at least 10 minutes, holding eyelids apart.

Do not rub affected area.

Skin contact: Wash hands after handling and before eating. If skin irritation or rash occurs; get medical advice/attention.

When exposed to molten or heated thermoplastic material, flush with cold water, do not attempt to remove product from the skin, seek medical attention if necessary.

Inhalation: If existing respiratory/conditions are aggravated in your use of this product, get to well ventilated area. If conditions persist seek medical advice/attention.

Ingestion: Rinse mouth with water (only if the person is conscious).

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water, CO₂, Foam, Dry Chemical

Unsuitable Extinguishing Media: Strong oxidizing agents

Exposure Hazards: Carbon Monoxide

Combustion Products: None

Protection for Firefighters: Wear self contained breathing apparatus in the positive mode to avoid smoke and fumes.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions: NONE for product at ambient temperature. Hot or molten thermoplastic may cause serious burns to unprotected skin.

Environmental precautions: None

Methods for Clean up: Allow material to solidify if molten. Collect material or scrape off surface.

Materials NOT to be used for Clean up: Strong oxidizing agents

SECTION 7 - HANDLING AND STORAGE

Handling: Do NOT use compressed air for cleaning surfaces or clothing. Avoid the release and swirl of dust.
Wash hands after use. Do NOT eat, drink, or smoke in work areas.

Storage: Do NOT store at temperatures above 120°F.
Store in a cool, dry place.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

Engineering Controls: Use in a well ventilated area.

Do NOT use compressed air for cleaning surfaces or clothing. Avoid the release and swirl of dust.

Wash hands after use. Do NOT eat, drink, or smoke in work areas.

PERSONAL PROTECTIVE EQUIPMENT (PPE):



Eye Protection: Face Shield / Safety glasses or goggles when molten

Skin Protection: Wear heat protective gloves when molten.

Wear long sleeve shirts, long pants, hard soled shoes.

Respiratory Protection: Provide adequate ventilation. Use respirators when exposure exceeds acceptable limits.

Use NIOSH/OSHA approved respiratory protection equipment in poorly ventilated areas.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Granular

Odor: Alkyd Oil

pH: N/A

Melting Point: 200°F (93°C) minimum

Boiling Point: N/A

Flash Point: >475°F

Specific Gravity: 2.3 max

Solubility: Negligible

Auto-ignition Temperature: N/A

VOC Content: HAPS Free

Odor Threshold: N/A

Boiling Range: N/A

Evaporation Rate: N/A

Vapor Pressure: N/A

Vapor Density: N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability: stable at <475°F

Hazardous decomposition products: Carbon Monoxide, Carbon Dioxide

Conditions to avoid: Temperatures above 500°F

Incompatible Materials: Should not be brought into contact with strong oxidizing agents.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Ingestion

Acute symptoms and effects: May cause an allergic skin reaction.
Inhalation: Overexposure may cause temporary respiratory irritation.
Eye Contact: Dust may cause irritation to the eyes.
Skin Contact: May cause an allergic skin reaction.
Ingestion: Shall NOT be classified as a specific target organ toxicant (STOT)
Chronic (long-term) effects: Contains greater than 0.1% crystalline silica, which can be inhaled and may have effects on the lungs, resulting in silicosis.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not classified as hazardous to the aquatic environment.

Mobility: Data not available

Degradability: Data not available

Bioaccumulation: Data not available

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name: NOT relevant

Hazard Class: NOT relevant

Secondary Risk: NOT relevant

Identification Number: NOT relevant

Packing Group: NOT relevant

Label Required: NOT relevant

Marine Pollutant: None (non-environmentally hazardous)

EXCEPTION for Ground Shipping

DOT Limited Quantity:

Consumer Commodity:

TDG INFORMATION

TDG CLASS:

SHIPPING NAME:

UN NUMBER/PACKING GROUP:

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information: See section 2

Ingredient Listings: See section 3

Symbols: See section 8

Risk Phrases: See section 2

Safety Phrases: See section 2

SECTION 16 - OTHER INFORMATION

Specification Information: Alkyd Thermoplastic (general)

Department issuing data sheet: Swarco Industries, Inc.; Columbia, TN

E-mail address: michael.jung@swarco.com

Training necessary:

Reissue date/reason for reissue: Revised Sections 2 and 11 to cover skin sensitization and carcinogenicity.

Intended Use of Product: Road Markings

Disclaimer: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.