



MATERIAL SAFETY DATA SHEET

1. COMPANY AND PRODUCT IDENTIFICATION

DUNCAN ENTERPRISES
5673 East Shields Avenue
Fresno, CA 93727
559-291-4444
559-291-9444 (Fax)

EMERGENCY TELEPHONE NUMBERS

Health Emergency: 559-291-4444 7:00 am – 3:30 pm
Pacific Standard Time
Spill and Off-Hour
Health Emergencies: 800-424-9300 U.S. and Canada
703-527-3887 Outside U.S. and
Canada (Collect)

Product Name: DUNCAN SPECIALTY PRODUCT SY547 WAX RESIST
Product Description: Wax Emulsion Resist

2. COMPOSITION / INFORMATION ON INGREDIENTS

The ingredients in this formulation are a trade secret. All ingredients in the formula are non-hazardous, unless specified in Sections 3 and 15.

3. HAZARDS IDENTIFICATION

HMIS Hazard Ratings for Product

Health:	1	0 = Minimal
Flammability:	0	1 = Slight
Reactivity:	0	2 = Moderate
Personal Protection:	See Section 8	3 = Serious
		4 = Severe
		* = Chronic Effects

Caution: May cause skin irritation; may cause eye irritation; Inhalation of mist or aerosol particulates may cause respiratory tract irritation; Surfaces subject to spills may become slippery

4. FIRST AID MEASURES

Eye Contact: Flush eyes with large amounts of water until irritation subsides. Consult a physician if irritation persists.

Skin Contact: Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

Inhalation: Move subject to fresh air. Get medical attention if nasal, throat, or lung irritation develops.

Ingestion: If swallowed, give two glasses of water to drink. Do not induce vomiting. Consult a physician. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Extinguisher Media: Water spray, CO₂, Dry Chemical, Foam – Use extinguishing media appropriate for surrounding fire

Firefighting Procedures: Wear Self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear

Conditions to Avoid: None known

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5. FIRE FIGHTING MEASURES (Continued)

Hazardous Combustion Products: This material is not expected to support combustion. If heated to decomposition, the following substances may be formed: carbon dioxide, carbon monoxide, paraffin wax fumes, smoke, aldehydes and carboxylic acids

6. ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Spills should be taken up with suitable absorbent material and placed in containers. Avoid wetting spill areas, as surfaces can become very slippery. Spill areas can be washed with water; collect wash water for approved disposal. Do not flush to storm sewer or waterway.

For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

Storage Temperature: > 32°F - < 90°F
Handling / Storage: Protect from freezing; keep container sealed when not in use
Ventilation Requirements: General

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Conditions Under Which Personal Protective Equipment Required: Normal work conditions, maintenance / repair.
Eye Protection Requirements: Wear safety glasses with side shields.
Glove Requirements: Gloves are not normally required for foreseeable conditions of use.
Clothing Requirements: Protective clothing is normally not necessary for foreseeable conditions of use.
Change / Removal of Clothing: None required
Wash Requirements: None
Respirator Requirements: None required under normal handling conditions.
Ventilation Requirements: General

9. PHYSICAL AND CHEMICAL PROPERTIES

Pure Material or Mixture: Mixture
Appearance / Physical Description: White, opaque liquid with mild odor
pH: 5 - 7
Boiling Point: 212°F
Melting / Freezing Point: 32°F
Solubility in Water: Miscible
Partition Coefficient (n-octanol/water): Not Applicable
Specific Gravity (Water = 1): 0.9 – 1.0
Bulk Density: 7.5 – 8.3 lb / gal
Volatiles: > 65%
Evaporation Rate (Water = 1): 1

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9. PHYSICAL AND CHEMICAL PROPERTIES (Continued)

Vapor Pressure:	17.5 mm Hg @ 20°C (68°F)
Vapor Density (Air = 1):	0.62
Volatile Organic Compounds:	Unknown
Autoignition Temperature:	Unknown
Flash Point:	Not Applicable
Oxidizing Properties:	Not Applicable

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended handling and storage conditions
Incompatibilities:	Acids, oxidizing materials, alkalis and amines
Hazardous Decomposition Products:	In aqueous solutions, biocide degrades and forms methyl isothiocyanate, carbon disulfide, formaldehyde, methylamine and hydrogen sulfide
Hazardous Polymerization:	Not anticipated under normal use

11. TOXICOLOGICAL INFORMATION

Short – Term Effects of Exposure

Route of Entry

Acute Effects – Eye:	Slight, transient
Acute Effects – Skin Contact:	No hazard in normal industrial use.
Acute Effects – Inhalation:	No hazard in normal industrial use.
Acute Effects – Ingestion:	No hazard in normal industrial use.

Biocide reported to cause skin sensitization (allergic reaction). Decomposition products cause skin, eye, and respiratory irritation.

Long – Term Effects of Exposure

Effect of Chronic Exposure:	This product should be considered non – hazardous and has no known chronic effects.
Target Organs:	Not applicable
Carcinogenicity	None

12. ECOLOGICAL INFORMATION

No ecological studies have been carried out with this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Incineration in accordance with applicable regulations is the recommended disposal method. Landfilling in a permitted solid or hazardous waste facility is a suitable alternative after solidification to remove free liquids. When the drum is empty, rinse it with plenty of water before discarding. Waste disposal should be in accordance with existing Federal, State, and Local environmental regulations.

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14. TRANSPORT INFORMATION

U.S. Department of Transportation Information

DOT Shipping Name: Paints or Stains 149980 Sub. 2
DOT Hazard Class: Non-hazardous
DOT Reportable Quantity: None

United Nations Information

U.N. Number: None
U.N. Class: None

15. REGULATORY INFORMATION

TSCA: All components are on the TSCA Inventory
FDA: 21CFR175.105
SARA/Title III: This product contains no substances at or above the reported threshold under Section 313, based on available data.



Products bearing the Nontoxic Product Seal are certified in a program of toxicological evaluation by a nationally recognized toxicologist to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. These products are certified to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236. In addition, there is no physical hazard as defined within 29 CFR Part 1910.1200(c).

16. OTHER INFORMATION

Table of Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
ANSI	American National Standards Institute
ASTM	American Society for Testing Materials
°C	Degrees Centigrade
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CPR	Controlled Products Regulations
DOT	Department of Transportation
EPA	Environmental Protection Agency
°F	Degrees Fahrenheit
FDA	Food & Drug Administration
g / l	Grams per liter
Hg	Mercury
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
LD	Lethal Dose
mg / kg	Milligram per kilogram
mm	Millimeter
MSDS	Material Safety Data Sheet
MSHA	Mine Safety and Health Administration
N / A	Not Applicable

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16. OTHER INFORMATION (Continued)

Table of Abbreviations, Continued

NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
ppm	Parts per million
SARA	Superfund Amendment and Reauthorization Act
STEL	Short-Term Exposure Limit
TSCA	Toxic Substances Control Act
TWA	Time - Weighted Average
U.N.	United Nations
WHMIS	Workplace Hazardous Materials Information System
>	Greater Than
<	Less Than

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Disclaimer

The information given and the recommendations made herein apply to our product(s) alone and not combined with any other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.