

Safety Data Sheet



1. COMPANY AND PRODUCT IDENTIFICATION

Duncan Enterprises
5673 East Shields Avenue
Fresno, CA 93727
559-291-4444
559-291-9444 (Fax)
www.duncan.com

EMERGENCY TELEPHONE NUMBERS

Health Emergencies:
559-291-4444 7:00 am – 3:30 pm Pacific Std. 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 Matte Spray Sealer, SS342 and SS342C
Product use/description: Aerosol sealer and art fixative
Not intended for: No data

2. HAZARDS IDENTIFICATION

Classification:	Flam Aero. – Cat. 1 Serious eye damage/eye irrit. – Cat. 2 Carc. – Cat. 2 Spec. Target Organ Tox., Single Expo. – Cat. 3 Asp. Haz. – Cat. 1 Liquified gas
Health and physical hazard statement:	Extremely flammable aerosol. Contains gas under pressure may explode if heated. Causes serious eye irritation. Suspected of causing cancer. May cause drowsiness or dizziness.
Other hazards not classified:	Propellant is classified as a simple asphyxiate if released in large quantities: may displace oxygen and cause rapid suffocation.
Signal word:	Danger
Precautionary statement:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapor/spray. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.
Pictogram(s) by GHS:	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Detailed formulation is submitted by the client and it is proprietary information.

Products are made by physical manipulation and chemical reaction from the ingredients. These ingredient chemicals may not exist as its original formula in final products. None of these ingredients are hazardous substances.

Reportable ingredients (if applicable):

Page 1 of 7

Duncan Enterprises SDS – Duncan Matte Spray Sealer – S-19-0031

Identity/synonym	CAS number:	Percentage/range:
Acetone	67-64-1	25 - 50
Ethyl acetate	141-78-6	10 – 25
Methyl ethyl ketone	78-93-3	1 – 3
Isopropyl alcohol	67-63-0	1 – 3
Ethylbenzene	100-41-4	0.1 – 0.3

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General advice:	If exposed or concerned: Get medical advice/attention.
On inhalation:	Seek fresh air and keep comfortable for breathing.
On skin contact:	Rinse with water/shower. If skin irritation occurs: Get medical advice/attention.
On eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
On ingestion:	Do NOT induce vomiting. If swallowed: Call a poison center or doctor/physician if you feel unwell.
Acute/delayed symptoms:	No information available
Medical advice:	Treat symptomatically.

5. FIREFIGHTING MEASURES

Extinguishing Media	
Suitable extinguishing media:	Dry chemical, CO ₂ , water spray or alcohol-resistant foam
Unsuitable extinguishing media:	Strong water jet
Protection of Firefighters	
Specific hazards arising from the chemical:	Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes.
Protective equipment for firefighters:	See Section 8 of this SDS.
Special precautions/ protective equipment for firefighters:	Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after the fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.
Will hazardous combustion occur:	Extremely flammable aerosol

6. ACCIDENTAL RELEASE MEASURES

Emergency containment procedures:	Prevent further leakage or spillage if safe to do so.
Environmental precautions, if any:	Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillage cannot be contained.
Methods for cleaning up:	Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.
Personal protective equipment:	See Section 8 of this SDS.

7. HANDLING AND STORAGE

Safe storage:	Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. Protect from sunlight. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Store in a well-ventilated area.
Safe handling:	Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Use personal protection recommended in Section 8 of this SDS. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapors are heavier than normal air and may spread along floors. Vapors may form explosive mixtures with air. Use only with adequate ventilation. Do not breathe dust, fumes, gas, mist, vapors or spray. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Do not spray on an open flame or other ignition sources. Pressurized container: Do not pierce or burn, even after use.
Known incompatibilities:	Extremely flammable aerosol

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL
Acetone	STEL: 750 ppm TWA: 500 ppm	TWA: 100 ppm TWA: 2400 mg/m ³
Ethyl Acetate	TWA: 400 ppm	TWA: 400 ppm TWA: 1400 mg/m ³
Methyl ethyl ketone	STEL: 300 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 590 mg/m ³
Isopropyl alcohol	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³
Ethylbenzene	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m ³

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Individual Protection measures, such as PPE (Personal Protective Equipment):

Personal Protection Equipment:	
Respiratory protection:	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Eye protection:	Wear safety glasses with side shields (or goggles).
Hand protection:	There is no one glove material or combination of material that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Wear protective gloves.
Skin protection:	Wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber. Wear suitable protective clothing.
Thermal protection:	No information available
General safety and hygiene measures:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection,

face protection. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust, fumes, gas, mist, vapors and spray. Use only outdoors or in a well-ventilated area. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state/appearance:	Aerosol
Color:	Clear
Odor:	Solvent
Odor threshold:	No information available
pH:	No information available
Boiling point/range:	No information available
Melting point/range:	No information available
Flash point:	-35°C / -31°F
Evaporation rate:	No information available
Vapor density:	No information available
Solubility(ies):	No information available
Vapor pressure:	No information available
Relative density:	6.45
Viscosity:	No data
Partition coefficient (n-octanol/water), if applicable:	No information available
Explosive properties:	No information available
Flammability: (solid, gas)	No information available
Flammability limit in air: upper/lower	No information available
Autoignition temperature:	No information available
Decomposition temperature:	No information available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions
Conditions to avoid:	Heat, flames and sparks
Incompatible materials:	Strong bases. Strong oxidizing agents. Strong acids.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide
Possibility of hazardous reactions/polymerization:	None under normal processing

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye contact – serious eye damage or irritation	Causes serious eye irritation.
Skin contact – skin corrosion, sensitization or irritation:	N/A
Ingestion – carcinogenicity/aspiration hazard:	N/A
Inhalation – respiratory sensitization/toxicity:	May cause dizziness or drowsiness.
Symptoms of exposure:	Causes serious eye irritation, suspected of causing cancer, may cause drowsiness or dizziness.
Information on toxicological effects:	
Delayed or immediate effects:	Ethylbenzene; possible carcinogen

Germ cell mutagenicity:		N/A		
Specific target organ toxicity (single exposure):		May cause drowsiness or dizziness.		
Specific target organ toxicity (repeated exposure):		N/A		
Chemicals listed on NTP, IARC or OSHA as a carcinogen:				
Chemical Name: Acetone	Oral LD50 -	Dermal LD50 -	Inhalation LC50 =50100 mg/m ³ (rat) 8 h	Percentage 25 – 50
Ethyl acetate	=5620 mg/kg (rat)	>18000 mg/kg (rabbit)	-	10 – 25
Methyl ethyl ketone	=2483 mg/kg (rat)	=5000 mg/kg (rabbit)	11700 ppm (rat) 4 h	1 – 3
Isopropyl alcohol	=1870 mg/kg (rat)	=4059 mg/kg (rabbit)	=72600 mg/m ³ (rat) 4 h	1 – 3
Ethylbenzene	=3500 mg/kg (rat)	15400 mg/kg (rabbit)	17.2 mg/l (rat) 4 h	0.1 – 0.3

*Estimates for product may be based on additional component data not shown.

12. ECOLOGICAL INFORMATION (NON-MANDATORY)

Ecotoxicity:	Environmental precautions. Prevent product from entering drains.
Persistence and degradability:	No information available
Bioaccumulative potential:	No information available
Mobility in soil:	No information available
Other adverse effects:	No information available

13. DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Disposal instructions:	Dispose of contents/containers in accordance with applicable regional, national and local laws and regulations.
EPA waste code(s):	No data
Contaminated packaging:	Improper disposal or reuse of this container may be dangerous and illegal. Empty containers must be scrapped or reconditioned.

14. TRANSPORTATION INFORMATION (NON-MANDATORY)

	DOT	IMDG	IATA
UN/ID number:	ORM-D	UN1950	UN1950
Proper shipping name:	Consumer Commodity	Aerosols	Aerosols
Transport hazard class:	-	2.1	2.1
Packing group (if applicable):	-	-	-
Environmental provisions:	N/A	N/A	N/A
Special precautions in transport:	No special precautions		
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code	No information available.		
Emergency Response Guide Number: 126	EmS-No:	F-D, S-U	

Pictograms

US: None	IATA; IMDG: None	Marine pollutant: None
--------------------	----------------------------	----------------------------------

15. REGULATORY INFORMATION (NON-MANDATORY)

U.S. Federal Regulations:					
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):		This product is manufactured in compliance with all provisions of the Toxic Substance Control Act, 15 U.S. C.2601 et. Seq.			
CERCLA (Superfund) reportable quantity (lbs.) (40 CFR 302.4)		No data			
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):		No data			
Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):		No data			
Chemical Name:	CAS Number:	Reportable Quantity:	Threshold planning quantity:	Threshold planning quantity, lower value:	Threshold planning quantity, upper value:
None	X	X	X	X	X
Superfund Amendments and Reauthorization Act of 1986 (SARA)					
SARA/Title III:		This product does not contain any substances at or above the reported threshold under Section 313, based on available data.			
SARA 304 Emergency release notification:		No data			
SARA 311/312 (40 CFR 370) Hazardous Chemical:		No data			
SARA 313 (TRI reporting):		<u>Chemical Name:</u> None	<u>CAS Number:</u> -	<u>% by wt.</u> -	
Drug Enforcement Administration (DEA) (21 CFR 1308.11-15):		No data			
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (Haps) List:		No data			
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):		No data			
Safe Drinking Water Act (SDWA):		No data			
Canadian Domestic Substances List (DSL):		All components are listed or exempt from listing			
FDA:		No data			
Conforms to Non-Toxic ASTM-4236:		Products 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).			
California Proposition 65 Warning:		This product contains the following chemicals that are known to the State of California to cause cancer, birth defects, or other reproductive harm: Ethylbenzene			
EPA Clean Air / Water Act:		N/A			
EPA Hazardous Wastes:		N/A			
HMIS III Rating:		Health Hazards=2; Flammability=4; Physical hazards=0			

Unless a concentration is specified in Section 2 of the SDS, the above chemical(s) are present in trace amounts.

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

16. OTHER INFORMATION

The recommendations and information contained in this SDS are compiled from sources believed to represent the most current information available when the SDS was prepared. However, the manufacturer / distributor of this product does not provide any warranty, guaranty of representation as to the correctness or sufficiency of this information. If this material is used in large amounts and/or an unusual manner, the user is obliged to determine what safety measures are appropriate, including the applicable and relevant workplace and environmental regulations pertaining to handling, use and disposal.

Table of Abbreviations			
ACGIH:	American Conference of Governmental Industrial Hygienists	LD:	Lethal Dose
ANSI:	American National Standards Institute	MARPOL:	Marine Pollution
ASTM:	American Society for Testing Materials	mg / kg:	Milligram per Kilogram
°C:	Degrees Centigrade	mm:	Millimeter
CAA:	Clean Air Act	MSHA:	Mine Safety and Health Administration
CAS:	Chemical Abstract Service	N/A:	Not Applicable
CERCLA:	Comprehensive Environmental Response, Compensation & Liability Act	NFPA:	National Fire Protections Association
CFR:	Code of Federal Regulations	NIOSH:	National Institute for Occupational Safety and Health
CPR:	Controlled Products Regulations	NTP:	National Toxicology Program
DEA:	Drug Enforcement Act	OEL:	Over Exposure Limit
DOT:	Department of Transportation	OSHA:	Occupational Safety and Health Administration
DSL:	Canadian Domestic Substances List	PEL:	Permissible Exposure Limits
EmS:	Emergency Medical Goods Services	ppm:	Parts Per Million
EPA:	Environmental Protection Agency	SARA:	Superfund Amendment and Reauthorization Act
°F:	Degrees Fahrenheit	STEL:	Short-Term Exposure Limit
FDA:	Food & Drug Administration	SDS:	Safety Data Sheet
g/l:	Grams per Liter	SDWA:	Safe Drinking Water Act
HAPs:	Hazardous Air Pollutants	TLV:	Threshold Limit Value
Hg:	Mercury	TRI:	Toxics Release Inventory
HMIS:	Hazardous Materials Identification System	TSCA:	Toxic Substances Control Act
HNOC:	Hazard(s) Not otherwise classified	TWA:	Time – Weighted Average
IARC:	International Agency for Research on Cancer	U.N.	United Nations
IATA:	International Air Transport Association	WHMIS:	Workplace Hazardous Materials Information System
ID:	Identification / Identity	>	Greater Than
IDLH:	Immediate Danger to Life or Health	<	Less Than
IMDG:	International Maritime Dangerous Goods	73/78:	1973 & 1978
LC:	Lethal Concentration		

Version	Revision date:
1	Created 4/14/17 – VP
2	4/25/19 – SH

END SAFETY DATA SHEET