

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 Satin Sealer, SS341 and SS341C
Product use/description: Aerosol sealer and art fixative
Not intended for: No data

2. HAZARDS IDENTIFICATION

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| Classification: | Skin Corr./Irrit. – Cat. 2 Serious eye dam/irrit. – Cat. 2 Repro. Tox. – Cat. 2 Specific target organ tox. (single) – Cat. 3 Specific target organ tox. (repeated) – Cat. 2 Asp. Tox. – Cat. 1 Flamm. Aero. – Cat. 1 Gases under pressure – Liquefied gas |
| Health and physical hazard statement: | Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. |
| Other hazards not classified: | Propellant is classified as a simple asphyxiate if released in large quantities: may displace oxygen and cause rapid suffocation. Harmful to aquatic life with long lasting effects. |
| 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. Do not breathe dust/fume/gas/mist/vapors/ spray. Use 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):

| Identity/Synonym | CAS Number: | Percentage/Range: |
|--|--------------------|--------------------------|
| Toluene | 108-88-3 | 25 – 50 |
| Acetone | 67-64-1 | 25 – 50 |
| Solvent naphtha, petroleum, light aromatic | 64742-95-6 | 1 – 3 |

4. FIRST AID MEASURES

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| General advice: | If exposed or concerned, get medical advice/attention. When using, do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing. |
| On inhalation: | Seek fresh air and keep comfortable for breathing. |
| On skin contact: | Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse. |
| 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, seek medical advice/attention. |
| On ingestion: | Immediately call a poison center or doctor/physician. Do NOT induce vomiting. |
| Acute/delayed symptoms: | No information available |
| Medical advice: | Treat symptomatically. |

5. FIREFIGHTING MEASURES

| Extinguishing Media | |
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| 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 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

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| 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 contaminated 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 spillages 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, |

| | |
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| | sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surfaces thoroughly. |
| Personal protective equipment: | See Section 8 of this SDS. |

7. HANDLING AND STORAGE

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|---------------------------------|---|
| 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 in a well-ventilated place. |
| 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 containers. Comply with the health and safety at work laws. Prevent product from entering drains. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/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 source. Pressurized container: Do not pierce or burn, even after use. |
| Known incompatibilities: | Strong oxidizing agents |

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational Exposure Limits:

| Chemical Name | ACGIH TLV | OSHA PEL |
|---------------|-------------------------------|--|
| Toluene | TWA: 20 ppm | TWA: 200 ppm Ceiling: 200 ppm |
| Acetone | STEL: 750 ppm TWA: 500 ppm | TWA: 1000 ppm TWA: 2400 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: | |
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| 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 materials 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 replacements 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 store and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical and poor maintenance. Wear protective gloves. |
| Skin protection: | Wear anti-static clothing made of natural fibers or of high temperature resistant synthetic fiber. Wear suitable protective clothing. |
| Thermal protection: | No information available |
| General safety and hygiene measures: | No further information available |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|--|--------------------------|
| 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): | Not determined |
| Vapor pressure: | No information available |
| Relative density: | No information available |
| Viscosity: | No information available |
| 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

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|---|---------------------------------|
| Chemical stability: | Stable under normal conditions |
| Conditions to avoid: | Heat, flames and sparks |
| Incompatible materials: | Strong oxidizing agents |
| 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:

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| Eye contact – serious eye damage or irritation | Causes serious eye irritation. |
| Skin contact – skin corrosion, sensitization or irritation: | Causes skin irritation. |
| Ingestion – carcinogenicity/aspiration hazard: | May be fatal if swallowed and enters airways. |
| Inhalation – respiratory sensitization/toxicity: | May cause drowsiness or dizziness. |
| Symptoms of exposure: | See above. |
| Information on toxicological effects: | No data |
| Delayed or immediate effects: | See above. |
| Germ cell mutagenicity: | N/A |
| Specific target organ toxicity (single exposure): | May cause drowsiness or dizziness. |
| Specific target organ toxicity (repeated exposure): | May cause damage to organs through prolonged or repeated exposure. |
| Chemicals listed on NTP, IARC or OSHA as a carcinogen: | N/A |

| <u>Chemical Name:</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Inhalation LC50</u> | <u>Percentage</u> |
|--|-------------------|-----------------------|------------------------------------|-------------------|
| Toluene | =2600 mg/kg (rat) | =12000 mg/kg (rabbit) | =12.5 mg/l (rat) 4 h | - |
| Acetone | - | - | =50100 mg/m ³ (rat) 8 h | - |
| Solvent naphtha, petroleum, light aromatic | - | >2000 mg/kg (rabbit) | =3400 ppm (rat) 4 h | - |

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

12. ECOLOGICAL INFORMATION (NON-MANDATORY)

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| Ecotoxicity: | Harmful to aquatic life with long lasting effects. 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)

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|--------------------------------|--|
| Disposal instructions: | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| 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)

| | <u>DOT</u> | <u>IMDG</u> | <u>IATA</u> |
|---|-------------------------------|-------------|-------------|
| 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 | | |
| Special Precautions in transport: | No special precautions noted. | | |
| 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 contain 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> Toluene | <u>CAS Number:</u> 108-88-3 | <u>% by wt.</u> 25 – 50 |
| Drug Enforcement Administration (DEA) (21 CFR 1308.11-15): | | | Not regulated | | |
| 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: Toluene (CAS#108-88-3) | | |
| EPA Clean Air / Water Act: | | | Not applicable | | |
| EPA Hazardous Wastes: | | | Not applicable | | |
| HMIS III Rating: | | | Health=3 (Chronic health Hazard); 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 5/2/2015 – VP |
| 2 | 4/25/2019 – SH |
| 3 | 5/29/19 - SP |

END SAFETY DATA SHEET