



# 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 Gloss Ceramic Sealer, SS340 and SS340C  
**Product use/description:** Aerosol sealer and art fixative  
**Not intended for:** No data

## 2. HAZARDS IDENTIFICATION

<b>Classification:</b>	Flammable Aerosols – Category 1 Gases Under Pressure – Compressed Gas Skin Corrosion / Irritation – Category 2 Serious Eye Damage / Eye Irritation – Category 2A Carcinogenicity – Category 2 Toxic To Reproduction (Unborn Child) - Category 2 Specific Target Organ Toxicity (Single Exposure) (Respiratory tract irritation) – Category 3 Specific Target Organ Toxicity (Single Exposure) (Narcotic effects) – Category 3 Specific Target Organ Toxicity (Repeated Exposure) – Category 2 Aspiration Hazard – Category 1 Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 16.3%
<b>Health and physical hazard statement:</b>	Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. Causes skin irritation. Suspected of damaging the unborn child. Suspected of causing cancer. May be fatal if swallowed and enters airways. May cause respiratory irritation. May cause drowsiness and dizziness. May cause damage to organs through prolonged or repeated exposure.
<b>Other hazards not classified:</b>	None known
<b>Signal word:</b>	Danger
<b>Precautionary statement:</b>	Read Label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. <b>Prevention:</b> Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protected gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Use only outdoors or in a well-ventilated area. Do not breathe dust or mist. Wash hands thoroughly after handling. <b>Response:</b> Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and comfortable for breathing. Call a poison center or physician if you feel unwell. IF SWALLOWED: Immediately call a poison center or physician. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritations occurs: Get medical attention.

	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>Pictogram(s) by GHS:</b>	

### 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.

**Reportable ingredients (if applicable):**

<b>Identity/Synonym</b>	<b>CAS Number:</b>	<b>Percentage/Range:</b>
Acetone	67-64-1	41.0
Toluene	108-88-3	16.64
Propane	74-98-6	13.77
Butane	106-97-8	13.23
Ethyl 3-Ethoxypropionate	763-67-9	4
Medium Aromatic Hydrocarbons	64742-94-5	2.52
Naphthalene	91-20-3	0.39

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

### 4. FIRST AID MEASURES

<b>On inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>On skin contact:</b>	Flush contaminated skin and plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>On eye contact:</b>	Immediately flush eyes with plenty of water, occasionally uplifting the upper and lower eyelids. Check for and remove any contact lenses. Continue for at least 10 minutes. Get medical attention.
<b>On ingestion:</b>	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Seek 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. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt and waistband.
<b>Acute/delayed symptoms:</b>	Causes serious eye irritation. Causes central nervous system (CNS) depression. May cause drowsiness and dizziness. May cause respiratory irritation. Causes skin irritation. May be fatal if swallowed and enters airways. Irritation to mouth, throat and

	stomach.
<b>Note to physician:</b>	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	
<b>Suitable extinguishing media:</b>	Use and extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media:</b>	None known
<b>Protection of Firefighters</b>	
<b>Specific hazards arising from the chemical:</b>	Extremely flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.
<b>Protective equipment for firefighters:</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
<b>Special precautions/ protective equipment for firefighters and first responders:</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
<b>Will hazardous combustion occur:</b>	Not likely, unless exposed to excessive heat.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency containment/clean up procedures:</b>	<p><b>Small spill:</b> Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or 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.</p> <p><b>Large spill:</b> Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (See section 13 of this SDS). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: See Section 1 for emergency contact information and Section 13 for waste disposal.</p>
<b>Environmental precautions, if any:</b>	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).
<b>Personal protective equipment:</b>	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is

adequate. Put on appropriate personal protective equipment.

## 7. HANDLING AND STORAGE

<b>Safe storage:</b>	Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials (see Section 10) and food and drink. Use appropriate containment to avoid environmental contamination.
<b>Safe handling:</b>	Put on appropriate personal protective equipment (See section 8 of this SDS). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Avoid exposure – obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
<b>Known incompatibilities:</b>	Protect from sunlight. Store locked up. Eliminate all ignition sources.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### Occupational Exposure Limits (OSHA United States):

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH REL
Acetone	TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes.	TWA: 1000 ppm 8 hours. 2400 mg/m <sup>3</sup> 8 hours.	TWA: 250 ppm 10 hours. TWA: 590 mg/m <sup>3</sup> 10 hours.
Toluene	TWA: 20 ppm 8 hours.	TWA: 200 ppm 8 hours. CEIL: 300 ppm AMP 500 ppm 10 minutes.	TWA: 100 ppm 10 hours. TWA: 375 mg/m <sup>3</sup> 10 hours. STEL: 150 ppm 15 minutes. STEL: 560 mg/m <sup>3</sup> 15 minutes.
Propane	-	TWA: 1000 ppm 8 hours. 1800 mg/m <sup>3</sup> 8 hours.	TWA: 1000 ppm 10 hours. TWA: 1800 mg/m <sup>3</sup> 10 hours.
Butane	STEL: 1000 ppm 15 minutes.	-	TWA: 800 ppm 10 hours. TWA: 1900 mg/m <sup>3</sup> 10 hours.
Naphthalene	<b>Absorbed through skin.</b> TWA: 10 ppm 8 hours. 52 mg/m <sup>3</sup> per 8 hours.	TWA: 10 ppm 8 hours. TWA: 50 mg/m <sup>3</sup> 8 hours.	TWA: 10 ppm 10 hours. TWA: 50 mg/m <sup>3</sup> 10 hours. STEL: 15 ppm 15 minutes. STEL: 75 mg/m <sup>3</sup> 15 minutes.

### Occupational Exposure Limits (Canada):

Chemical Name	Exposure Limits		
Acetone	<b>CA Alberta Provincial</b> 8 hrs OEL: 1200 mg/m <sup>3</sup> 8 hours. 15 min OEL: 1800 mg/m <sup>3</sup> 15 minutes. 8 hrs OEL: 500 ppm 8 hours. 15 min OEL: 750 ppm 15 minutes.	<b>CA British Columbia Provincial</b> TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes.	<b>CA Ontario Provincial</b> TWA: 500 ppm 8 hours. STEL: 750 ppm 15 minutes.
	<b>CA Quebec Provincial</b> TWA <sub>EV</sub> : 500 ppm 8 hours. TWA <sub>EV</sub> : 1190 mg/m <sup>3</sup> 8 hours. STEV: 1000 ppm 15 minutes. STEV: 2380 mg/m <sup>3</sup> 15 minutes.	<b>CA Saskatchewan Provincial</b> STEL: 750 ppm 15 minutes. TWA: 500 ppm 8 hours.	
Toluene	<b>CA Alberta Provincial</b> <b>Absorbed through skin.</b>	<b>CA British Columbia Provincial</b>	<b>CA Ontario Provincial</b> TWA: 20 ppm 8 hours.

	8 hrs OEL: 50 ppm 8 hours. 8 hrs OEL: 188 mg/m <sup>3</sup> 8 hours.	TWA: 20 ppm 8 hours.	
	<b>CA Quebec Provincial Absorbed through skin.</b> TWA EV: 50 ppm 8 hours. TWA EV: 188 mg/m <sup>3</sup> 8 hours.	<b>CA Saskatchewan Provincial Absorbed through skin.</b> STEL: 60 ppm 15 minutes. TWA: 50 ppm 8 hours.	
Propane	<b>CA Alberta Provincial</b> 8 hrs OEL: 1000 ppm 8 hours.	<b>CA British Columbia Provincial</b> TWA: 1000 ppm 8 hours.	<b>CA Ontario Provincial</b> TWA: 1000 ppm 8 hours.
	<b>CA Quebec Provincial</b> TWA EV: 1000 ppm 8 hours. TWA EV: 1800 mg/m <sup>3</sup> 8 hours.	<b>CA Saskatchewan Provincial</b> STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours.	
Butane	<b>CA Alberta Provincial</b> 8 hrs OEL: 1000 ppm 8 hours.	<b>CA British Columbia Provincial</b> TWA: 600 ppm 8 hours. STEL: 750 ppm 15 minutes.	<b>CA Ontario Provincial</b> TWA: 800 ppm 8 hours.
	<b>CA Quebec Provincial</b> TWA EV: 800 ppm 8 hours. TWA EV: 1900 mg/m <sup>3</sup> 8 hours.	<b>CA Saskatchewan Provincial</b> STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours.	
Naphthalene	<b>CA Alberta Provincial Absorbed through skin.</b> 15 min OEL: 15 ppm 15 minutes. 8 hrs OEL: 10 ppm 8 hours. 8 hrs OEL: 52 mg/m <sup>3</sup> 8 hours. 15 min OEL: 79 mg/m <sup>3</sup> 15 minutes.	<b>CA British Columbia Provincial Absorbed through skin.</b> TWA: 10 ppm 8 hours. STEL: 15 ppm 15 minutes.	<b>CA Ontario Provincial Absorbed through skin.</b> TWA: 10 ppm 8 hours. STEL: 15 ppm 15 minutes.
	<b>CA Quebec Provincial</b> TWA EV: 10 ppm 8 hours. TWA EV: 52 mg/m <sup>3</sup> 8 hours. STEV: 15 ppm 15 minutes. STEV: 79 mg/m <sup>3</sup> 15 minutes.	<b>CA Saskatchewan Provincial Absorbed through skin.</b> STEL: 15 ppm 15 minutes. TWA: 10 ppm 8 hours.	

#### Occupational Exposure Limits (Mexico):

Chemical Name	Exposure Limits - NOM-010-STPS (Mexico, 4/2016)
Acetone	LMPE-PPT: 500 ppm 8 hours LMPE-CT: 750 ppm 15 minutes
Toluene	LMPE-PPT: 20 ppm 8 hours
Propane	LMPE-PPT: 1000 ppm 8 hours
Butane	LMPE-PPT: 1000 ppm 8 hours
Naphthalene	LMPE-PPT: 10 ppm 8 hours LMPE-CT: 15 ppm 15 minutes

**Appropriate Engineering Controls:** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**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, such as PPE (Personal Protective Equipment):

Personal Protection Equipment:	
<b>Respiratory protection:</b>	Based on the hazard and potential for exposure, select a respirator that meets the

	appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
<b>Eye / face protection:</b>	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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Hand protection:</b>	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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
<b>Skin protection:</b>	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 specialist before handling this product.
<b>Body protection:</b>	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. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
<b>General safety and hygiene measures:</b>	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and 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 locations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state/appearance:</b>	Liquid
<b>Color:</b>	N/A
<b>Odor:</b>	N/A
<b>Odor threshold:</b>	N/A
<b>pH:</b>	7
<b>Boiling point/range:</b>	N/A
<b>Melting point/range:</b>	N/A
<b>Flash point:</b>	Closed cup: -29°C (-20.2°F) [Pensky-Martens Closed Cup]
<b>Evaporation rate:</b>	5.6 (butyl acetate = 1)
<b>Vapor density:</b>	1.55 [Air=1]
<b>Solubility(ies):</b>	N/A
<b>Vapor pressure:</b>	101.3 kPa (760 mm Hg) [at 20°C]
<b>Relative density:</b>	0.73
<b>Viscosity:</b>	Kinematic (40°C (104°F)): <0.205 cm <sup>2</sup> /s (<20.5 cSt)
<b>Partition coefficient (n-octanol/water), if applicable:</b>	N/A
<b>Explosive properties:</b>	N/A
<b>Flammability: (solid, gas)</b>	N/A
<b>Flammability limit in air: upper/lower</b>	N/A
<b>Autoignition temperature:</b>	N/A
<b>Decomposition temperature:</b>	N/A
<b>Heat of combustion:</b>	30.13 kJ/g

## 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	The product is stable.
<b>Conditions to avoid:</b>	Avoid all possible sources of ignition (spark or flame).
<b>Incompatible materials:</b>	No specific data
<b>Hazardous decomposition products:</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Possibility of hazardous reactions/polymerization:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Reactivity:</b>	No specific test data related to reactivity available for this product or its ingredients.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

<b>Eye contact – serious eye damage or irritation:</b>	Causes serious eye irritation. May cause pain or irritation, watering or redness.		
<b>Skin contact – skin corrosion, sensitization or irritation:</b>	Causes skin irritation, and may cause redness, reduced fetal weight, increase in fetal deaths, skeletal malformations.		
<b>Ingestion – carcinogenicity/aspiration hazard:</b>	Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways. May cause nausea or vomiting, reduced fetal weight, increase in fetal deaths, skeletal malformations. Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.		
<b>Inhalation – respiratory sensitization/toxicity:</b>	Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. May cause respiratory irritation, coughing, nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness, reduced fetal weight, increase in fetal deaths, skeletal malformations.		
<b>Symptoms of exposure:</b>	All of the above mentioned		
<b>Information on toxicological effects:</b>	N/A		
<b>Delayed or immediate effects:</b>	N/A		
<b>Germ cell mutagenicity:</b>	No known significant effects or critical hazards		
<b>Specific target organ toxicity (single exposure):</b>	Respiratory tract irritation and narcotic effects		
<b>Specific target organ toxicity (repeated exposure):</b>	Category 2		
<b>Chemicals listed on NTP, IARC or OSHA as a carcinogen:</b>	No data		
<b>Chemical name:</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Acetone	Rat 5800 mg/kg	-	-
Toluene	Rat 636 mg/kg	-	Rat 49 g/m <sup>3</sup>
Butane	-	-	Rat 658000 mg/m <sup>3</sup>
Ethyl 3-Ethoxypropionate	3200 mg/kg	-	-
Napthalene	Rat 490 mg/kg	Rabbit >20 g/kg	-

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

## 12. ECOLOGICAL INFORMATION (NON-MANDATORY)

### Ecotoxicity:

Chemical Name	Result	Species	Exposure
Acetone	Acute EC50 7200000 µg/l Fresh water	Algae - Selenastrum sp.	96 hours
	Acute LC50 6000000 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 6900 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5600 ppm	Fresh water Fish - Poecilia reticulata	96 hours

	Chronic NOEC 4.95 mg/l Marine water Chronic NOEC 0.016 ml/L Fresh water Chronic NOEC 0.1 ml/L Fresh water	Algae - Ulva pertusa Crustaceans - Daphniidae Daphnia - Daphnia magna - Neonate	96 hours 21 days 21 days
Toluene	Acute EC50 12500 µg/l Fresh water Acute EC50 11600 µg/l Fresh water Acute EC50 6000 µg/l Fresh water Acute LC50 5500 µg/l Fresh water Chronic NOEC 1000 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata Crustaceans - Gammarus pseudolimnaeus – Adult Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling) Fish - Oncorhynchus kisutch - Fry Daphnia - Daphnia magna	72 hours 48 hours 48 hours 96 hours 21 days
Naphthalene	Acute EC50 1600 µg/l Fresh water Acute LC50 2350 µg/l Marine water Acute LC50 213 µg/l Fresh water Chronic NOEC 0.5 mg/l Marine water Chronic NOEC 1.5 mg/l Fresh water	Daphnia - Daphnia magna – Neonate Crustaceans - Palaemonetes Pugio Fish - Melanotaenia fluviatilis - Larvae Crustaceans - Uca pugnax – Adult Fish - Oreochromis mossambicus	48 hours 48 hours 96 hours 3 weeks 60 days
<b>Persistence and degradability:</b>	Acetone and Toluene are readily biodegradable.		
<b>Bioaccumulative potential:</b>	Toluene: BCF: 90 with low potential. Medium Aromatic: BCF: 99-5780 with high potential. Naphthalene: BCF: 36.5-168 with low potential.		
<b>Mobility in soil:</b>	N/A		
<b>Other adverse effects:</b>	No known significant effects or critical hazards.		

### 13. DISPOSAL CONSIDERATIONS (NON-MANDATORY)

<b>Disposal instructions:</b>	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty container or liners may retain some product residues. Do not puncture or incinerate container.
<b>Local disposal regulations:</b>	No data
<b>EPA waste code(s):</b>	No data
<b>Contaminated packaging:</b>	No data

### 14. TRANSPORTATION INFORMATION (NON-MANDATORY)

	<b>DOT</b>	<b>IMDG</b>	<b>IATA</b>	<b>TDG</b>	<b>Mexico</b>
<b>UN/ID number:</b>	UN1950	UN1950	UN1950	UN1950	UN1950
<b>Proper shipping name:</b>	AEROSOLS	AEROSOLS	AEROSOLS, flammable	AEROSOLS	AEROSOLS
<b>Transport hazard class:</b>	2.1	2.1	2.1	2.1	2.1
<b>Packing group (if applicable):</b>	-	-	-	-	-
<b>Environmental provisions:</b>	No	No	No	No	No



<b>Special precautions in transport:</b>	Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (Sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packing must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.			
<b>Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code</b>	N/A			
<b>Emergency Response Guide Number: No data</b>	<b>EmS-No:</b>	F-D, S-U	<b>ERG No.</b>	126

**Pictograms**

<b>US:</b> 	<b>IATA; IMDG; TDG; Mexico:</b> 	<b>Marine pollutant:</b> None
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**15. REGULATORY INFORMATION (NON-MANDATORY)**

<b>U.S. Federal Regulations:</b>					
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):</b>			This product is manufactured in compliance with all provisions of the Toxic Substance Control Act, 15 U.S. C.2601 et. Seq.		
<b>CERCLA (Superfund) reportable quantity (lbs.) (40 CFR 302.4)</b>			No data		
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):</b>			No data		
<b>Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):</b>			No data		
<b>Chemical Name:</b>	<b>CAS Number:</b>	<b>Reportable Quantity:</b>	<b>Threshold planning quantity:</b>	<b>Threshold planning quantity, lower value:</b>	<b>Threshold planning quantity, upper value:</b>
None	X	X	X	X	X
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>					
<b>SARA/Title III:</b>			This product does not contain any substances at or above the reported threshold under Section 313, based on available data.		
<b>SARA 304 Emergency release notification:</b>			No data		
<b>SARA 311/312 (40 CFR 370) Hazardous Chemical:</b>			No data		
<b>SARA 313 (TRI reporting):</b>			<u>Chemical Name:</u> None	<u>CAS Number:</u> -	<u>% by wt.</u> -
<b>Drug Enforcement Administration (DEA) (21 CFR 1308.11-15):</b>			No data		
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (Haps) List:</b>			No data		
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):</b>			No data		
<b>Safe Drinking Water Act (SDWA):</b>			No data		
<b>Canadian Domestic Substances List (DSL):</b>			No data		

<b>FDA:</b>	No data
<b>Conforms to Non-Toxic ASTM-4236:</b>	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).
<b>California Proposition 65 Warning:</b>	This product contains the following chemicals that are known to the state of California to cause cancer, birth defects, or other reproductive harm: Toluene and Naphthalene
<b>EPA Clean Air / Water Act:</b>	No data
<b>EPA Hazardous Wastes:</b>	No data
<b>HMIS III Rating:</b>	Health: 2; Flammability: 4; Physical Hazards: 0
Unless a concentration is specified in Section 2 of the SDS, the above chemicals(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			
<b>ACGIH:</b>	American Conference of Governmental Industrial Hygienists	<b>LD:</b>	Lethal Dose
<b>ANSI:</b>	American National Standards Institute	<b>MARPOL:</b>	Marine Pollution
<b>ASTM:</b>	American Society for Testing Materials	<b>mg / kg:</b>	Milligram per Kilogram
<b>°C:</b>	Degrees Centigrade	<b>mm:</b>	Millimeter
<b>CAA:</b>	Clean Air Act	<b>MSHA:</b>	Mine Safety and Health Administration
<b>CAS:</b>	Chemical Abstract Service	<b>N/A:</b>	Not Applicable
<b>CERCLA:</b>	Comprehensive Environmental Response, Compensation & Liability Act	<b>NFPA:</b>	National Fire Protections Association
<b>CFR:</b>	Code of Federal Regulations	<b>NIOSH:</b>	National Institute for Occupational Safety and Health
<b>CPR:</b>	Controlled Products Regulations	<b>NTP:</b>	National Toxicology Program
<b>DEA:</b>	Drug Enforcement Act	<b>OEL:</b>	Over Exposure Limit
<b>DOT:</b>	Department of Transportation	<b>OSHA:</b>	Occupational Safety and Health Administration
<b>DSL:</b>	Canadian Domestic Substances List	<b>PEL:</b>	Permissible Exposure Limits
<b>EmS:</b>	Emergency Medical Goods Services	<b>ppm:</b>	Parts Per Million
<b>EPA:</b>	Environmental Protection Agency	<b>SARA:</b>	Superfund Amendment and Reauthorization Act
<b>°F:</b>	Degrees Fahrenheit	<b>STEL:</b>	Short-Term Exposure Limit
<b>FDA:</b>	Food & Drug Administration	<b>SDS:</b>	Safety Data Sheet
<b>g/l:</b>	Grams per Liter	<b>SDWA:</b>	Safe Drinking Water Act
<b>HAPs:</b>	Hazardous Air Pollutants	<b>TLV:</b>	Threshold Limit Value
<b>Hg:</b>	Mercury	<b>TRI:</b>	Toxics Release Inventory
<b>HMIS:</b>	Hazardous Materials Identification System	<b>TSCA:</b>	Toxic Substances Control Act
<b>HNOC:</b>	Hazard(s) Not otherwise classified	<b>TWA:</b>	Time – Weighted Average
<b>IARC:</b>	International Agency for Research on Cancer	<b>U.N.</b>	United Nations
<b>IATA:</b>	International Air Transport Association	<b>WHMIS:</b>	Workplace Hazardous Materials Information System
<b>ID:</b>	Identification / Identity	<b>&gt;</b>	Greater Than
<b>IDLH:</b>	Immediate Danger to Life or Health	<b>&lt;</b>	Less Than
<b>IMDG:</b>	International Maritime Dangerous Goods	<b>73/78:</b>	1973 & 1978
<b>LC:</b>	Lethal Concentration		

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END SAFETY DATA SHEET