

# SAFETY DATA SHEET

## SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

Product Name: S135 Product Code: S-135

Trade Name: Low VOC Reducer

Adams Paint Mfg Company  
1416 N University Ave  
Lubbock, Tx 79415  
Telephone Number: 806-763-2944  
Web Site: adamspaintmfg.com

Emergency Contacts & Phone Numbers  
Chemtrec: 800-424-9300  
SDS Request Line: 806-763-2944

Product Use: See Product Data Sheet

Not recommended for: See Product Data Sheet

## SECTION 2 - HAZARDS IDENTIFICATION

### GHS Ratings:

Flammable liquid	3	Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ ( $140^{\circ}\text{F}$ )
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Mutagen	1B	Known to produce heritable mutations in human germ cells Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity
Reproductive toxin	1B	Presumed, Based on experimental animals
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity $\geq 20.5$ mm <sup>2</sup> /s at $40^{\circ}\text{C}$ .

### GHS Hazards

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child

### GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat, sparks, open flames, hot surfaces and other ignition sources - No smoking
P233	Keep container tightly closed
P240	Ground and bond container and receiving equipment
P241	Use explosion-proof electrical, ventilating, lighting and equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash thoroughly after handling

P280	Wear protective gloves, protective clothing, eye protection and face protection
P281	Use personal protective equipment as required
P321	Specific treatment (see Section 4 of SDS on this label)
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or physician
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical attention
P332+P313	If skin irritation occurs: Get medical attention
P337+P313	Get medical attention
P370+P378	In case of fire: Use dry chemical, foam, carbon dioxide or water fog for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents and container in accordance with local and national regulations

**Signal Word: Danger**



### SECTION 3 - COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Benzene, 1-chloro-4-(trifluoromethyl)-	98-56-6	60.00% - 70.00%
Solvent naphtha, petroleum, light aromatic	64742-95-6	20.00% - 30.00%
Benzene, 1,2,4-trimethyl-	95-63-6	10.00% - 20.00%
Cumene	98-82-8	0.10% - 1.00%
Ethylbenzene	100-41-4	0.10% - 1.00%

### SECTION 4 - FIRST AID MEASURES

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

**Eye Contact:** Immediately flush eyes with plenty of water for 10 to 15 minutes. Get medical attention, if irritation or symptoms of overexposure persists.

**Skin Contact:** Immediately wash skin with soap and water. Get medical attention if irritation develops or persists.

**Ingestion:** If swallowed, DO NOT induce vomiting. Call physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Other First Aid:** Due to possible aspiration into lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have person lean forward to reduce risk of aspiration.

### SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 42 C (108 F)

LEL: 1.00

UEL: 11.00

**Suitable Extinguishing Media:** Use dry chemical, foam, carbon dioxide, or water fog to extinguish fire. Water may not be effective to extinguish fire. Spattering of flammable liquid may result from spraying water.

**Specific Hazards arising from the Chemical:** Minimize breathing gases, vapors, fumes or decomposition products. At elevated temperatures, vapors can form an ignitable mixture with air. Vapors can flow along surfaces to distant ignition sources and flash back. Closed containers may explode when exposed to heat.

**Protection of Firefighters:** Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. If a leak or spill has ignited, use water spray to disperse the vapors and to protect the men attempting to stop leak.

**Protective Equipment and Precautions for Firefighters:** Wear self-contained breathing apparatus and full protective gear.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use proper personal protective equipment as listed in Section 8.

**Environmental Precautions:** Avoid runoff into storm sewers, ditches and waterways.

**Methods for Containment:** Contain spilled liquid with sand or earth. DO NOT use combustible materials, such as sawdust.

**Methods for Clean-up:** Remove all sources of ignition. Provide ventilation. Absorb spill with inert material (dry sand or earth), collect spill with a non-sparking tool then place in a chemical waste container for disposal.

## SECTION 7 - HANDLING AND STORAGE

**Handling:** Use with adequate ventilation. Avoid breathing vapor and contacts with eyes, skin and clothing. Material will accumulate static charges which may cause an electrical spark (ignition source), bond and ground containers when transferring material. Use spark-proof tools and explosion-proof equipment. Do not reuse containers without proper cleaning or reconditioning.

**Hygiene Practices:** Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

**Storage:** Store in a cool dry, well ventilated area away from sources of heat, combustible materials and incompatible substances. Keep container tightly closed when not in use.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6	Not Established	Not Established	Not Established
Solvent naphtha, petroleum, light aromatic 64742-95-6	Not Established	Not Established	Not Established
Benzene, 1,2,4-trimethyl- 95-63-6	Not Established	Not Established	NIOSH: 25 ppm TWA; 125 mg/m3 TWA
Cumene 98-82-8	50 ppm TWA; 245 mg/m3 TWA	50 ppm TWA	NIOSH: 50 ppm TWA; 245 mg/m3 TWA
Ethylbenzene 100-41-4	100 ppm TWA; 435 mg/m3 TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m3 TWA 125 ppm STEL; 545 mg/m3 STEL

**Engineering Controls:** Use appropriate engineering control such as process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective, wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

**Eye / Face Protection:** Wear protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulations.

**Skin Protection:** Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eye, skin or clothing.

**Respiratory Protection:** A NIOSH-approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive-pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

**General Hygiene Considerations:** Avoid breathing vapor or mist. Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance:</b> Liquid	<b>Odor:</b> Naphthalinic
<b>Vapor Pressure:</b> 7.7 mmHg	<b>Odor threshold:</b> No Data
<b>Vapor Density:</b> Heavier than air	<b>pH:</b> No Data
<b>Lbs / Gallon:</b> 9.21	<b>Melting point:</b> No Data
<b>Freezing point:</b> No Data	<b>Solubility:</b> Slight
<b>Boiling range:</b> 141°C	<b>Flash point:</b> 108 F, 42 C
<b>Evaporation rate:</b> Slower than Ether	<b>Flammability:</b> Combustible Liquid Class II
<b>Explosive Limits:</b> 1% - 11%	<b>Partition coefficient (n-octanol/water):</b> No Data
<b>Autoignition temperature:</b> 280°C	<b>Decomposition temperature:</b> No Data
<b>Viscosity:</b> No Data	<b>VOC g/l:</b> 871.172

## SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Heat, flames, sparks and other ignition sources.

**Incompatible Materials:** Avoid contact with strong oxidizing agents.

**Hazardous Decomposition Products:** Incomplete combustion may produce carbon monoxide and other toxic gases.

**Hazardous Polymerization:** Will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Mixture Toxicity

Inhalation Toxicity LC50: 39mg/L

### Component Toxicity

100-41-4 Ethylbenzene  
Oral LD50: 3,500 mg/kg (Rat) Inhalation LC50: 17 mg/L (Rat)

### Miscellaneous Toxicological Information:

**Notice:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

CAS Number  
64742-95-6

Description  
Solvent naphtha, petroleum, light aromatic

% Weight  
20 to 30%

Carcinogen Rating  
Solvent naphtha, petroleum, light aromatic: EU REACH: Present (P)

100-41-4	Ethylbenzene	.1 to 1.0%	Ethylbenzene: IARC: Possible human carcinogen OSHA: listed
98-82-8	Cumene	.1 to 1.0%	Cumene: IARC: Possible human carcinogen OSHA: listed

## SECTION 12 - ECOLOGICAL INFORMATION

No additional information provided for this product. See Section 3 for chemical specific data.

### Component Ecotoxicity

Benzene, 1-chloro-4-(trifluoromethyl)-	48 Hr EC50 Daphnia magna: 3.68 mg/L
Solvent naphtha, petroleum, light aromatic	96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L 48 Hr EC50 Daphnia magna: 6.14 mg/L
Benzene, 1,2,4-trimethyl-	96 Hr LC50 Pimephales promelas: 7.19 - 8.28 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 6.14 mg/L
Cumene	96 Hr LC50 Pimephales promelas: 6.04 - 6.61 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 4.8 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.7 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 5.1 mg/L [semi-static] 48 Hr EC50 Daphnia magna: 0.6 mg/L; 48 Hr EC50 Daphnia magna: 7.9 - 14.1 mg/L [Static] 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 mg/L
Ethylbenzene	96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static] 48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L 72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste Disposal:** Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classification of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and / or state and local guidelines.

## SECTION 14 - TRANSPORT INFORMATION

<u>Agency</u> DOT	<u>Proper Shipping Name</u> Paint Related Material	<u>UN Number</u> 1263	<u>Packing Group</u> III	<u>Hazard Class</u> 3
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## SECTION 15 - REGULATORY INFORMATION

Additional regulatory listings, where applicable.

### CERCLA RQ:

<u>Component</u>	<u>RQ (lbs)</u>
Ethylbenzene	1000

Cumene

5000

**SARA 311/312 Hazard Classes:** Acute, Croninc, Fire

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** WARNING!

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- 100-41-4 Ethylbenzene 0.1 to 1.0 % Carcinogen
- 98-82-8 Cumene 0.1 to 1.0 % Carcinogen

**SARA 302 Components:**

- None

**SARA 313 TOXIC CHEMICALS:**

- 100-41-4 Ethylbenzene 0.1 to 1.0 %
- 98-82-8 Cumene 0.1 to 1.0 %
- 95-63-6 Benzene, 1,2,4-trimethyl- 10 to 20 %

**Toxic Substances Control Act (TSCA):** All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory.

- None

<b>SECTION 16 - OTHER INFORMATION</b>
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Reviewer Revision

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