

# SAFETY DATA SHEET

## SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

Product Name: 400HS Polyurethane Enamel Product Code: 400-9016

Trade Name: 400-9016 Activator

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	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Respiratory sensitizer	1	Respiratory sensitizer
Skin sensitizer	1	Skin sensitizer
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 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

### GHS Hazards

H225	Highly flammable liquid and vapour
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H340	May cause genetic defects
H350	May cause cancer

### 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
P261	Avoid breathing dust, fumes, gas, mist, vapors or spray
P264	Wash thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace

P280	Wear protective gloves, protective clothing, eye protection and face protection
P281	Use personal protective equipment as required
P285	In case of inadequate ventilation wear respiratory protection
P321	Specific treatment (see Section 4 of SDS on this label)
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
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
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
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
P333+P313	If skin irritation or a rash occurs: Get medical attention
P337+P313	Get medical attention
P342+P311	Call a POISON CENTER or physician
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 %
Hexamethylene diisocyanate homopolymer	28182-81-2	50.00% - 60.00%
Methyl ethyl ketone	78-93-3	20.00% - 30.00%
Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer	53880-05-0	10.00% - 20.00%
Solvent naphtha, petroleum, light aromatic	64742-95-6	1.00% - 5.00%
n-Butyl acetate	123-86-4	1.00% - 5.00%

### 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: -9 C (16 F)

LEL: 1.00

UEL: 12.00

**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
Hexamethylene diisocyanate homopolymer 28182-81-2	Not Established	Not Established	Not Established
Methyl ethyl ketone 78-93-3	200 ppm TWA; 590 mg/m3 TWA	300 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 590 mg/m3 TWA 300 ppm STEL; 885 mg/m3 STEL
Cyclohexane, 5-isocyanato- 1-(isocyanatomethyl)-1,3,3- trimethyl-, homopolymer 53880-05-0	Not Established	Not Established	Not Established
Solvent naphtha, petroleum, light aromatic 64742-95-6	Not Established	Not Established	Not Established

n-Butyl acetate 123-86-4	150 ppm TWA; 710 mg/m3 TWA	200 ppm STEL 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL
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**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

<p><b>Appearance:</b> Liquid</p> <p><b>Vapor Pressure:</b> 65.3 mmHg</p> <p><b>Vapor Density:</b> Heavier than air</p> <p><b>Lbs / Gallon</b> 8.46</p> <p><b>Freezing point:</b> No Data</p> <p><b>Boiling range:</b> 80°C</p> <p><b>Evaporation rate:</b> Slower than Ether</p> <p><b>Explosive Limits:</b> 1% - 12%</p> <p><b>Autoignition temperature:</b> 280°C</p> <p><b>Viscosity:</b> No Data</p>	<p><b>Odor:</b> Ester, sweet</p> <p><b>Odor threshold:</b> No Data</p> <p><b>pH:</b> No Data</p> <p><b>Melting point:</b> No Data</p> <p><b>Solubility:</b> Slight</p> <p><b>Flash point:</b> 16 F,-9 C</p> <p><b>Flammability:</b> Flammable Liquid Class IB</p> <p><b>Partition coefficient (n- octanol/water):</b> No Data</p> <p><b>Decomposition temperature:</b> No Data</p> <p><b>VOC g/l</b> 339.567</p>
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## SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal temperatures and pressures.

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

**Incompatible Materials:** Avoid contact with water, amines, strong bases, alcohols, metal compounds and surface active materials.

**Hazardous Decomposition Products:** Incomplete combustion may produce carbon monoxide, carbon dioxide, oxides of nitrogen, HCN, HDI.

**Hazardous Polymerization:** May occur; contact with moisture or other materials which react with isocyanates or temperatures over 400 F (204 C) may cause polymerization.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Mixture Toxicity

Inhalation Toxicity LC50: 34mg/L

### Component Toxicity

78-93-3 Methyl ethyl ketone

Oral LD50: 2,483 mg/kg (Rat) Dermal LD50: 5,000 mg/kg (Rabbit)

**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.

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
64742-95-6	Solvent naphtha, petroleum, light aromatic	1 to 5%	Solvent naphtha, petroleum, light aromatic: EU REACH: Present (P)

**SECTION 12 - ECOLOGICAL INFORMATION**

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

**Component Ecotoxicity**

Methyl ethyl ketone	96 Hr LC50 Pimephales promelas: 3130 - 3320 mg/L [flow-through] 48 Hr EC50 Daphnia magna: >520 mg/L; 48 Hr EC50 Daphnia magna: 5091 mg/L; 48 Hr EC50 Daphnia magna: 4025 - 6440 mg/L [Static]
Solvent naphtha, petroleum, light aromatic	96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L 48 Hr EC50 Daphnia magna: 6.14 mg/L
n-Butyl acetate	96 Hr LC50 Lepomis macrochirus: 100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 17 - 19 mg/L [flow-through] 72 Hr EC50 Desmodesmus subspicatus: 674.7 mg/L

**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>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint	1263	II	3

**SECTION 15 - REGULATORY INFORMATION**

**Additional regulatory listings, where applicable.**

**CERCLA RQ:**

<u>Component</u>	<u>RQ (lbs)</u>
n-Butyl acetate	5000
2-Butanone	5000

**SARA 311/312 Hazard Classes:** Acute, Chronic, 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:

- None

**SARA 302 Components:**

- None

**SARA 313 TOXIC CHEMICALS:**

- None

**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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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations and orders.

Reviewer Revision

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