

## \*1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*

Manufacturer's Name  
 ACHESON COLLOIDS COMPANY  
 1600 Washington Ave.  
 Port Huron, MI 48060

Distributed By:  
 Ladd Research  
 83 Holly Court  
 Williston, VT 05495  
 Tel: 802-658-4961  
 FAX: 802-660-8859  
 email: sales@laddresearch.com

Emergency Telephone No: CHEMTREC  
 DOMESTIC: 1-800-424-9300  
 INTERNATIONAL: 01-703-527-3887  
 (CALL COLLECT)

Chemical Family  
 GRAPHITE IN EPOXY

## \*2. COMPOSITION/INFORMATION ON INGREDIENTS \*

---CAS Number---	---Ingredients---	%WT/WT	Carcinogenicity		
			NTP	IARC	OSHA
ACCESS # 263	Proprietary Non-OSHA Haz./Non-WHMIS Controlled	7-13	N	N	N
111-76-2	2-Butoxyethanol	1-5	N	N	N
1330-20-7	Xylene	1-5	N	N	N
100-41-4	Ethyl Benzene	0.1-1	Y	Y	Y
68002-19-7	Butylated Urea-Formaldehyde Resin	3-7	N	N	N
71-36-3	n-Butyl Alcohol	10-30	N	N	N
50-00-0	Formaldehyde	0.1-1	Y	Y	Y
108-88-3	Toluene	10-30	N	N	N
108-65-6	Propylene Glycol Methyl Ether Acetate	10-30	N	N	N
7782-42-5	Graphite	5-10	N	N	N

----- Occupational Exposure Limits -----  
 CAS Number                      ACGIH TLV                      OSHA PEL

ACCESS # 263	10.00mg/M3	15.00mg/M3
111-76-2	25.00 PPM	25.00PPM
1330-20-7	100.00 PPM	100.00PPM
100-41-4	100.00PPM	100.00PPM
68002-19-7	None Estab.	None Estab.
71-36-3	20.00PPM	100.00PPM
50-00-0	.30PPM	.75PPM
108-88-3	50.00 PPM	100.00PPM
108-65-6	100.00 PPM	100.00PPM
7782-42-5	2.00mg/m3	5.00mg/m3

## \*3. HAZARDS IDENTIFICATION \*

## EMERGENCY OVERVIEW

Potential Health Effects --  
 INGESTION :  
 Harmful or fatal if swallowed.

EYE CONTACT :

This product contains a chemical or chemicals which may be corrosive and cause irreversible eye damage.

SKIN CONTACT :

Prolonged or repeated exposure causes severe skin irritation.

OTHER SKIN CONTACT :

Prolonged or repeated contact may cause an allergic skin reaction in some individuals.

May be harmful if absorbed through the skin.

INHALATION :

Vapors and mists irritate eyes, nose and throat.

Prolonged or repeated inhalation of vapors or mists of this product may cause irritation and/or an allergic respiratory reaction in the lungs.

Dusts generated from sanding and grinding on surfaces coated with this product may be harmful if inhaled.

Vapors and mists generated from this product are harmful if inhaled.

CHRONIC:

This product contains 2-butoxyethanol which has been shown to cause adverse effects on the kidneys, liver, blood and blood-forming tissues.

This product contains xylene. Repeated exposure to xylenes can cause poor memory, difficulty in concentration and can damage the liver and kidneys. Xylenes may damage the developing fetus.

This product contains ethyl benzene which has been classified by IARC as a class 2B carcinogen. There is limited evidence that ethyl benzene may damage the developing fetus.

This product contains formaldehyde or is capable of releasing formaldehyde above 0.5 ppm under certain conditions. The International Agency for Research on Cancer (IARC), has now listed formaldehyde as carcinogenic to humans (Group 1). Formaldehyde is a potential skin and respiratory sensitizer.

This product contains toluene which in high concentrations can cause liver, kidney and brain damage. Exposure to toluene during pregnancy may affect the growth and development of the fetus.

This product contains graphite which can accumulate in lung tissue after long-term exposure to the dust. The potential for such exposure from the use of this product is very limited.

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\*4. FIRST AID MEASURES \*

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Ingestion :

If swallowed, wash out mouth with water provided person is conscious. Call Poison Control for further instructions. DO NOT INDUCE VOMITING.

Skin Contact:

In case of skin contact remove contaminated clothing. Wash with soap and water. Consult a physician if irritation persists. Launder any contaminated clothing before reuse or discard.

Eye Contact:

If this product is splashed into the eyes, flush eyes immediately with plenty of water for at least 30 minutes. Consult a poison center, emergency room or eye

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specialist for additional information and guidance.

Inhalation :

If excessive amounts of vapors or mists from this product are inhaled, remove to fresh air. Apply artificial respiration and other supportive measures as required. Consult a poison center, emergency room or lung specialist for additional information and guidance.

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\*5. FIRE FIGHTING MEASURES \*

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Flashpoint and Method : 45 F PENSKY-MARTENS CLOSED CUP

Flammable Limits: 1.2 - 7.0 %

General Hazard :

HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks, or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Those substances designated with a "P" may polymerize explosively when heated or involved in a fire. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated. Many liquids are lighter than water. Substance may be transported hot. If molten aluminum is involved, refer to GUIDE 169.

Fire :

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

CAUTION: For mixtures containing a high percentage of an alcohol or polar solvent, alcohol-resistant foam may be more effective.

Small Fire Fighting Instructions :

Dry chemical, CO<sub>2</sub>, water spray or regular foam.

Large Fire Fighting Instructions :

Water spray, fog or regular foam. Use water spray or fog; do not use straight streams. Move containers from fire area if you can do it without risk.

General Fire Fighting Instructions:

Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. ALWAYS stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

Fire Fighting Equipment:

Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS :

Oxides of Carbon

\*6. ACCIDENTAL RELEASE MEASURES \*

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Spills :  
ELIMINATE all ignition sources [no smoking, flares, sparks or flames in immediate area]. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

Large Spills :  
Dike far ahead of liquid spill for later disposal. Water spray may reduce vapor; but may not prevent ignition in closed spaces.

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\*7. HANDLING AND STORAGE \*

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STORAGE TEMPERATURE: Ambient STORAGE PRESSURE: Atmospheric  
Keep container closed. Loosen closure cautiously before opening. Store in a cool and well ventilated place away from incompatible materials. [See Stability and Reactivity Section].  
Empty containers may retain hazardous properties. Follow all MSDS/Label warnings even after container is emptied.

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\*8. EXPOSURE CONTROLS/PERSONAL PROTECTION \*

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ENGINEERING CONTROLS :  
Provide sufficient mechanical ventilation to maintain exposure below TLV(s). Overexposures to vapors and mists may be prevented by ensuring ventilation controls, local exhaust and/or fresh air entry. NIOSH/MSHA Schedule TC-23C- air purifying or a Schedule TC-19C- air supplied respirator may also be used to reduce exposures. Read the manufacturer's instructions and literature carefully to determine the type(s) of airborne contaminant(s) against which the respirator is effective and how it is to be properly fitted.

Eye Protection :  
Due to the severe nature of the eye irritation from contact due to splashing or spraying of liquid or from airborne particles or vapors, vapor tight chemical-type splash goggles and/or a full face shield should be worn when handling this product.

Skin Protection :  
Wear protective clothing, including an impermeable apron or disposable suit and gloves. This protective equipment should be constructed of material(s) which are appropriate to prevent contact with the chemicals listed in the ingredient section of the MSDS. Wear chemical-resistant gloves, made of materials such as

neoprene or nitrile.

\*9. PHYSICAL AND CHEMICAL PROPERTIES \*

Vapor Pressure	: 19.00mm Hg at 20c	Vapor Density	: HEAVIER
Specific Gravity	: .98	Evaporation Rate	: FASTER
Solubility in Water	: NA	Freezing Point	: -89 F
pH	: Not available	Freezable	: No
Boiling Point	: 212 F	VOC	: 708 g/l
Viscosity (CPS)	: 2000 - 3500	Reduced VOC	: 801 g/l
Appearance	: Black Fluid		
Product Use			: NOT DETERMINED
Odor			: NOT DETERMINED
Odor Threshold			: NOT DETERMINED
Coefficient of water/oil Distributon			: NOT DETERMINED
Auto-ignition Temperature			: NOT DETERMINED
Explosion Data-Sensitivity to Mechanical Impact			: NOT DETERMINED
Explosion Data-Sensitivity to Static Discharge			: NOT DETERMINED
Physical State			: NOT DETERMINED

\*10. STABILITY AND REACTIVITY \*

GENERAL :

This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIAL AND CONDITIONS TO AVOID :

Strong oxidizers.

\*11. TOXICOLOGICAL INFORMATION \*

LD50 IS FOR ORAL RAT	108-88-3	636.00mg/kg
LD50 IS FOR ORAL RAT	108-65-6	8532.00mg/kg
LC50 SPECIES AND ROUTE		: NOT DETERMINED
REPRODUCTIVE TOXICITY		: NOT DETERMINED
TERATOGENICITY		: NOT DETERMINED
EMBRYOTOXICITY		: NOT DETERMINED
MUTAGENICITY		: NOT DETERMINED
NAME OF SYNERGISTIC PRODUCTS/EFFECTS		: NOT DETERMINED

\*12. ECOLOGICAL INFORMATION \*

NOT AVAILABLE

\*13. DISPOSAL CONSIDERATIONS \*

Care must be taken to prevent environmental contamination from the use of this

material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

\*14. TRANSPORTATION INFORMATION \*

DOT (Dept. of Transportation):  
IDENTIFICATION NUMBER: UN1263  
PROPER SHIPPING NAME : PAINT

HAZARD CLASS : 3 PG: II

Refer to the Acheson Colloids Emergency Response Information Sheet for more detailed transportation handling information.

Air Shipment (IATA):  
IDENTIFICATION NUMBER: UN1263  
PROPER SHIPPING NAME : PAINT

HAZARD CLASS : 3 PG: II

Ocean Shipment (IMDG):  
IDENTIFICATION NUMBER: UN1263  
PROPER SHIPPING NAME : PAINT

HAZARD CLASS : 3 PG: II

MARINE POLLUTANT: NO

\*15. REGULATORY INFORMATION \*

SARA TITLE 3: Section 313 Information (40 CFR 372)  
This product contains a chemical which is listed in Section 313 at or above DE MINIMIS concentration. The following listed chemicals are present:

CAS NUMBER	DESCRIPTION	%
111-76-2	2-Butoxyethanol	4.16
1330-20-7	Xylene	4.76
100-41-4	Ethyl Benzene	.97
71-36-3	n-Butyl Alcohol	15.31
50-00-0	Formaldehyde	.23
108-88-3	Toluene	23.90

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.

COMPONENT DESCRIPTION	CAS NUMBER
Ethyl Benzene	100-41-4
Formaldehyde	50-00-0

Toluene

108-88-3

DSL- All components of this product are listed or are excluded from listing on the Canadian Domestic Substances List (DSL) Inventory.

TSCA- All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control ACT (TSCA) Chemical Substance Inventory.

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\*16. OTHER INFORMATION \*

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If this material is part of a multiple component system, read the MSDS(s) for the other component(s) before blending as the resulting mixture may have the hazards of all of its parts.

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Prepared By: Safety, Health and Environmental Dept  
PHONE: 1-810-984-5581

For more information on products manufactured at our California site call:

1-909-947-2228

Distributed By:  
Ladd Research  
83 Holly Court  
Williston, VT 05495  
Tel: 802-658-4961  
FAX: 802-660-8859  
email: [sales@laddresearch.com](mailto:sales@laddresearch.com)