

Aexcel Corporation

Material Safety Data Sheet

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 95A-D001
Product Code: 95A-D001
Description: Black Epoxy Adhesive
Manufacturer:
Aexcel Corporation
7373 Production Drive
Mentor, OH 44060
Phone Numbers: Information: 440-974-3800
Emergency/CHEMTREC: 800-424-9300
MSDS Rev No./Date: 1 2002-04-04 13:06:52

II. COMPOSITION/INFORMATION ON POTENTIALLY HAZARDOUS INGREDIENTS

Chemical Name	CAS No.	Wt %	OSHA Permissible Exposure Limits (PEL)	
			STEL, ppm	TWA, ppm
Nonylphenol	84852-15-3	34.59	N.E.	N.E.
n-Aminoethylpiperazine	140-31-8	17.27	N.E.	N.E.

III. HAZARDS IDENTIFICATION

HMIS Safety Ratings
(0 - 4, 4 = severe hazard)

Health	Flammability	Reactivity
3	1	0

Health Hazards

Routes of Entry: Skin contact, Eye contact
Target Organs: Central nervous system stimulation

Immediate (Acute) Health Effects by Route of Exposure:

Skin Absorption: Harmful if absorbed through the skin. Vapors or mist may cause irritation of upper respiratory tract. Harmful. Causes burning of mouth, throat, and stomach with abdominal and chest pain.
Inhalation:
Ingestion:
Eye Contact: Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

Long-Term (Chronic) Health Effects:

Reproductive/Developmental: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Inhalation: Breathing large amounts may cause harmful effects. Severe overexposure may result in difficulty breathing, headache, nausea, vomiting, and drowsiness.
Ingestion: Swallowing large amounts is harmful, seek medical attention.
Skin Absorption: Expected to cause severe skin damage with burns and blistering. Toxic effects due to skin absorption is possible.

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.

IV. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Eyes: Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

Skin Contact: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately from other articles before reuse.

V. FIRE FIGHTING MEASURES

Flammability Summary: Combustible at elevated temperatures > 200 Deg. F. TCC

Flash Point:

Component Parameters:	Flashpoint TCC deg F	Autoignition Temp deg F	UEL % in air	LEL % in air
Nonylphenol	300			
n-Aminoethylpiperazine	205			1.0

VI. ACCIDENTAL RELEASE MEASURES

Small Spill: Eliminate all sources of ignition such as flares, flames, pilot lights, and sparks. Absorb liquid on vermiculite, floor absorbent, or other absorbent material.

Large Spill: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering bare ground, drains, sewers, streams or other bodies of water. Prevent from spreading. Pump or vacuum-transfer spilled product for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to bare ground, sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

VII. HANDLING AND STORAGE

Handling/Storage: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred. Emergency eyewash fountains and safety showers should be available in the immediate vicinity of potential exposure.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Provide sufficient general and/or local exhaust ventilation to maintain exposure below TLV(s).

Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Gloves: Chemically resistant gloves

Control Parameters:

Chemical Name	ACGIH TLV-TWA ppm	ACGIH STEL ppm	IDLH ppm
Nonylphenol	NE	NE	
n-Aminoethylpiperazine	NE	NE	

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Heavy Black Liquid
Bulk Density: 11.52 lbs/gal

Component Properties:	VP mmHg	at deg F	Vapor Density (1 = air)	Evaporation Rate (1 = n-butyl acetate)	BP F at 1 atm
Nonylphenol	1.0	68	7.4		590
n-Aminoethylpiperazine	0.1		4.4		410

X. STABILITY AND REACTIVITY

Stability/Reactivity: Stable under normal conditions.
Conditions to Avoid: Avoid heat, sparks, open flame and other ignition sources.
Chemical Incompatibility: Strong oxidizing agents

XI. TOXICOLOGICAL INFORMATION

No data

XII. ECOLOGICAL INFORMATION

No data

XIII. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of in accordance with all applicable local, state and federal regulations.

XIV. TRANSPORTATION INFORMATION

DOT Basic Description: Corrosive Liquid, N.O.S.(Contains n-Aminoethylpiperazine, Nonylphenol)
Hazard Class: 8
UN Number: 1760

XV. REGULATORY INFORMATION

TSCA Status: A component or components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

Chemical Name	CAS #	Regulation
Nonylphenol	84852-15-3	SARA 312

XVI. ADDITIONAL INFORMATION

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