

AV-544 Epoxy Tool Cleaner™**SECTION 1. IDENTIFICATION**

Product Identifier	AV-544 Epoxy Tool Cleaner
Other Means of Identification	Epoxy Cleaning Solution
Recommended Use	Industrial Use Only.
Restrictions on Use	None known.
Manufacturer/Supplier Identifier	Avanti International, 822 Bay Star Blvd, Webster, TX, 77598, USA, 281.486.5600, avantigrout.com
Emergency Phone No.	ChemTrec, 800.424.9300
Date of Preparation	July 1, 2019

SECTION 2. HAZARD IDENTIFICATION**Classification**

Flammable liquids - Category 4; Serious eye damage/irritation - Category 2A; Skin corrosion/irritation - Category 2; Toxic to reproduction (fertility) - Category 1B; Toxic to reproduction (unborn child) - Category 1B; Specific target organ toxicity (single exposure – respiratory tract irritation) - Category 3

**Label Elements**

Signal Word:

Danger

Hazard Statement(s):

H227 Combustible liquid

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H361 Suspected of damaging fertility. Suspected of damaging the unborn child.

Precautionary Statement(s):

Prevention:

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTRE or doctor/physician.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

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P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

HMIS Rating: Health – 2; Flammability – 2; Physical Hazard – 0

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Dibasic ester blend	Trade Secret	60-80	DBE	
n-Methyl-2-Pyrrolidone	872-50-4	20-40	NMP	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Supply fresh air; consult doctor in case of complaints.

Skin Contact

Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Take off contaminated clothing and shoes immediately.

Eye Contact

Rinse immediately with plenty of water for at least 15 minutes. If symptoms persist, consult a doctor.

Ingestion

Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side. Do not induce vomiting; call for medical help immediately.

First-aid Comments

Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

Most Important Symptoms and Effects, Acute and Delayed

Repeated and/or prolonged exposures to low concentrations of vapors or aerosols may cause: sore throat, asthma, eye disease, kidney disorders, liver disorders, skin disorders and allergies.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, skin, respiratory tract, reproduction.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Foam, Fire-extinguishing powder, Carbon dioxide.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

Special Protective Equipment and Precautions for Fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. 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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Keep away from ignition sources.

Environmental Precautions

Do not allow to enter sewers/surface or ground water. Inform respective authorities in case of seepage into water course or sewage system. Prevent from spreading (e.g. by damming-in or oil barriers).

Methods and Materials for Containment and Cleaning Up

Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

Other Information

Contact supplier, local fire and emergency services for help. Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Use only in well-ventilated areas. Store in cool, dry place in tightly closed receptacles.

Conditions for Safe Storage

Use only receptacles specifically permitted for this substance/product. Avoid storage near extreme heat, ignition sources or open flame. Keep container tightly sealed. Store in an area with adequate ventilation.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Appropriate Engineering Controls

Provide readily accessible eye wash stations and safety showers. Provide ventilation adequate to ensure concentrations are minimized. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.

Individual Protection Measures

Eye/Face Protection

Face shield with safety glasses or goggles underneath. Contact lenses should not be worn.

Skin Protection

Protective, impervious gloves. (Neoprene, Butyl-rubber, Nitrile rubber) The glove material has to be impermeable and resistant to the product / the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Protective work clothing. Where potential exposure warrants, rubber or plastic boots and chemically resistant protective suit.

Respiratory Protection

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Not required under normal conditions of use. Use suitable respiratory protective device in case of insufficient ventilation. For spills, respiratory protection may be advisable. Use respiratory protection when grinding or cutting material.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Colourless liquid.
Odour	Organic
Odour Threshold	Not applicable
pH	Alkaline
Melting Point/Freezing Point	< -23°C (< -9°F)
Initial Boiling Point/Range	>195°C (>383°F)
Flash Point	>95°C (204°F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Greatest known range: Lower: 1.3% Upper: 9.5% (n-Methyl-2-Pyrrolidone)
Vapour Pressure	Highest known value: 0.04 kPa (0.3 mm Hg) (at 20°C) (n-Methyl-2- Pyrrolidone).
Vapour Density (air = 1)	Highest known value: 3.4 (Air = 1) (n-Methyl-2-Pyrrolidone).
Relative Density (water = 1)	1.06 g/cm ³
Solubility	Not available in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	10 - 40 cps

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible Materials

Oxidizing materials

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; ingestion; eye contact.

Acute Toxicity

LC50: No information was located.

LD50 (oral): No information was located.

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LD50 (dermal): No information was located.

Skin Corrosion/Irritation

Causes skin irritation.

Serious Eye Damage/Irritation

Causes serious eye irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause respiratory irritation. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin Absorption

No information available.

Ingestion

Irritating to mouth, throat and stomach.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause allergic skin reaction. This product may cause adverse reproductive effects. Eye disease, Skin disorders and Allergies.

Respiratory and/or Skin Sensitization

No information available

Carcinogenicity

No information was located.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

No information was located.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No information was located.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This product should not be allowed to enter drains, water courses or the soil. Dispose of this material in a safe manner and in accordance with federal, state and local regulations. Disposal must be made in accordance with official federal, state and local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT	UN number:	NA1993
	Proper Shipping Name:	Combustible Liquids, n.o.s. (n-Methyl-2-Pyrrolidone)
	Packing Group:	III
	Marine Pollutant:	No
IATA	UN number:	NA1993
	Proper Shipping Name:	Combustible Liquids, n.o.s. (n-Methyl-2-Pyrrolidone)
	Packing Group:	III
	Marine Pollutant:	No
IMDG	UN number:	NA1993
	Proper Shipping Name:	Combustible Liquids, n.o.s. (n-Methyl-2-Pyrrolidone)
	Packing Group:	III
	Marine Pollutant:	No

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Country	Regulatory list	Notification
USA	TSCA	Included on Inventory.
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
Canada	DSL	Included on Inventory.
Australia	AICS	Included on Inventory.
China	SEPA	Included on Inventory.

SARA

Section 355 (extremely hazardous substances): None of the ingredients is listed.
Section 313 (Specific toxic chemical listings): Component(s) above 'de minimus' level: n-Methyl-2-Pyrrolidone
TSCA (Toxic Substances Control Act): All the ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer: n-Methyl-2-Pyrrolidone
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A chemical safety assessment has not been carried out.

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 3	Flammability - 2	Instability - 0
SDS Prepared By	Avanti International		
Date of Preparation	July 01, 2019		
Date of Last Revision	July 01, 2019		
Key to Abbreviations	ACGIH® = American Conference of Governmental Industrial Hygienists IARC = International Agency for Research on Cancer NFPA = National Fire Protection Association NIOSH = National Institute for Occupational Safety and Health NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration RTECS® = Registry of Toxic Effects of Chemical Substances		

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