

SAFETY DATA SHEET

Date Prepared : 07/23/2019
MSDS No : AST EPOXO-5044

American Safety Technologies EPOXO-5044 Olive Drab

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: American Safety Technologies EPOXO-5044 Olive Drab

MANUFACTURER

ITW Polymers Sealants North America
12055 Cutten Road
Houston, TX 77066
Product Stewardship: (281) 397-0033

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation): (800) 424-9300
International: (703) 527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 4
Acute Toxicity (Inhalation), Category 4
Serious Eye Damage, Category 2A

Environmental:

Acute Hazards to the Aquatic Environment, Category 2
Chronic Hazards to the Aquatic Environment, Category 2

Physical:

Flammable Liquids, Category 2

GHS LABEL



Exclamation
mark



Flame



Environment

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.
H302: Harmful if swallowed.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H411: Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT(S)

Prevention:

P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames 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] equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.

SAFETY DATA SHEET

Date Prepared : 07/23/2019
MSDS No : AST EPOXO-5044

American Safety Technologies EPOXO-5044 Olive Drab

P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P378: Use appropriate media to extinguish.
P391: Collect spillage.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

Disposal:

P501: Dispose of contents/container according to local, regional, national, and international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Nepheline Syenite	30 - 60	37244-96-5
Low Boiling Point Naphtha - Solvent Naphtha (petroleum), Light Aliph.	10 - 30	64742-89-8
VM&P Naphtha	5 - 10	8032-32-4
Attapulgite	0.1 - 1	12174-11-7
Carbon Black	0.1 - 1	1333-86-4

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

SKIN: Remove contaminated clothing. Wash the affected area immediately with large amounts of soap and water. Get medical attention if irritations develops or persists. Wash clothing before reuse.

INGESTION: Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe eye irritation - symptoms include stinging, tearing, redness, swelling, and blurred vision.

NOTES TO PHYSICIAN: Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SAFETY DATA SHEET

Date Prepared : 07/23/2019
MSDS No : AST EPOXO-5044

American Safety Technologies EPOXO-5044 Olive Drab

ADDITIONAL INFORMATION: If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this SDS to the doctor in attendance. Wash contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class IB

GENERAL HAZARD: Flammable liquid and vapor.

EXTINGUISHING MEDIA: Water Fog, Foam, Carbon Dioxide. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

OTHER CONSIDERATIONS: Do not use water jet as an extinguisher, as this will spread the fire.

EXPLOSION HAZARDS: Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface water. During fire, gases hazardous to health may be formed.

FIRE FIGHTING PROCEDURES: Use standard firefighting procedures and consider the hazards of other involved materials.

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do without risk. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire.

FIRE FIGHTING EQUIPMENT: As in any fire, wear Self-Contained Breathing Apparatus (SCBA) MSHA/NIOSH approved or equivalent and full protective clothing.

FIRE EXPLOSION: No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed, thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up.

LARGE SPILL: Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Ventilate the area by natural means or by explosion proof mechanical means (i.e. fans). Know and prepare for spill response before using or handling this product. Eliminate all ignition sources (flames, hot surfaces, portable heaters and sources of electrical, static, or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools and appropriate PPE. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

RELEASE NOTES: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

SAFETY DATA SHEET

Date Prepared : 07/23/2019
MSDS No : AST EPOXO-5044

American Safety Technologies EPOXO-5044 Olive Drab

7. HANDLING AND STORAGE

GENERAL PROCEDURES: For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. Flammable vapors may cause flash fire or ignite explosively. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation). Containers may be hazardous when empty. Never use welding or cutting torch on or near container. Do not cut, drill, grind, or expose containers to heat, sparks, static electricity or other source of ignition. Explosion may occur causing injury or death.

STORAGE: Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Keep only in original container. Store in a well ventilated place. Store away from incompatible materials. Keep in area equipped with sprinklers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	Type	EXPOSURE LIMITS		
		ppm	mg/m ³	
Nepheline Syenite	OSHA PEL	TWA	[1]	5 mg/m ³ [1]
		TWA	[2]	15 mg/m ³ [2]
Low Boiling Point Naphtha - Solvent Naphtha (petroleum), Light Aliph.	OSHA PEL	TWA	400 ppm	NL
		STEL	NL [3]	NL [3]
	ACGIH TLV	TWA	400 ppm	NL
		STEL	NL [3]	NL [3]
VM&P Naphtha	OSHA PEL	TWA	NL [3]	NL [3]
		STEL	NL [3]	NL [3]
	ACGIH TLV	TWA	300 ppm	1370 mg/m ³
		STEL	NL [3]	NL [3]
Attapulгите	OSHA PEL	TWA	[4]	15 mg/m ³ [4]
Carbon Black	OSHA PEL	TWA	NL [3]	3.5 [3]
		STEL	NL [3]	NL [3]
	ACGIH TLV	TWA	NL [3]	3.5 [3]
		STEL	NL [3]	NL [3]

Footnotes:

1. Respirable fraction.
2. total dust - Particulates
3. NL = Not Listed
4. Nuisance Dust

SAFETY DATA SHEET

Date Prepared : 07/23/2019

MSDS No : AST EPOXO-5044

American Safety Technologies EPOXO-5044 Olive Drab

ENGINEERING CONTROLS: Explosion proof general and local ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields, goggles, or a full-face shield. Do not wear contact lenses.

SKIN: Wear chemical resistant, impervious gloves.

RESPIRATORY: Where vapor concentrations exceed or are likely to exceed the occupational exposure limits, a NIOSH approved continuous flow supplied air respirator, hood or helmet is recommended. A NIOSH approved self-contained positive pressure breathing apparatus with full face piece is required for spills and/or emergencies.

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Chemical resistant gloves and normal work clothing (long sleeved shirt and long pants). Use of impervious apron is recommended.

WORK HYGIENIC PRACTICES: Use good hygiene practices when handling this material. Wash hands thoroughly after use before eating, drinking and/or smoking. When using do not smoke. Routinely wash work clothing and protective equipment to remove contamination. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Strong

COLOR: Black or Green

pH: Not Available

FLASHPOINT AND METHOD: 12.8°C (55°F)

FLAMMABLE LIMITS: Not Available to Not Available

AUTOIGNITION TEMPERATURE: Not Available

VAPOR PRESSURE: 45 mmHg

VAPOR DENSITY: Not Available

BOILING POINT: > 115.56°C (240°F)

FREEZING POINT: Not Available

MELTING POINT: Not Available

EVAPORATION RATE: 1.6 (n-Butyl Acetate=1)

DENSITY: 10.59 lbs/gal

SPECIFIC GRAVITY: 1.27

VISCOSITY: Not Available

(VOC): 2.78 lbs/gals

10. STABILITY AND REACTIVITY

SAFETY DATA SHEET

Date Prepared : 07/23/2019
MSDS No : AST EPOXO-5044

American Safety Technologies EPOXO-5044 Olive Drab

REACTIVITY: Product is stable and non-reactive under normal conditions of use, storage and transport

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

STABILITY: Stable under normal storage and application conditions.

CONDITIONS TO AVOID: Avoid heat, flames, sparks, static electricity and other sources of ignition. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

POSSIBILITY OF HAZARDOUS REACTIONS: None

HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products are known.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Nepheline Syenite	No data	No data	No data
Low Boiling Point Naphtha - Solvent Naphtha (petroleum), Light Aliph.	> 2000 mg/kg	> 2000 mg/kg	> 5000 ppm (1-hr dose)
VM&P Naphtha	> 8000 mg/kg	> 4000 No data	3400 ppm (4-hr dose)
Attapulgite	No data	No data	No data
Carbon Black	No data	No data	No data

SKIN CORROSION/IRRITATION: No adverse effects due to skin contact are expected.

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION: Not a respiratory sensitizer. This product is not expected to cause skin sensitization.

GERM CELL MUTAGENICITY: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic

CARCINOGENICITY

Chemical Name	IARC Status
Attapulgite	2B

IARC: Carbon Black (CAS 1333-86-4) 2B Possible carcinogenic to humans
Attapulgite (CAS 12174-11-7) 2B Possible carcinogenic to humans

NTP: Not Regulated

OSHA: Not Regulated

NOTES: Risk of cancer cannot be excluded with prolonged exposure.

REPRODUCTIVE TOXICITY: This product is not expected to cause reproductive or developmental effects.

STOT-SINGLE EXPOSURE: Not classified.

STOT-REPEATED EXPOSURE: Not classified.

ASPIRATION HAZARD: Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

SAFETY DATA SHEET

Date Prepared : 07/23/2019
MSDS No : AST EPOXO-5044

American Safety Technologies EPOXO-5044 Olive Drab

ENVIRONMENTAL DATA: This product contains components that may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

ECOTOXICOLOGICAL INFORMATION: Toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Consult with your state and local hazardous waste requirements or guidelines to ensure compliance. Arrange disposal in accordance with EPA, state and local requirements.

EMPTY CONTAINER: Since empties containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Paint

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1263

PACKING GROUP: II

LABEL: Flammable Liquid

OTHER SHIPPING INFORMATION: Read safety instructions, SDS and emergency procedures before handling

AIR (ICAO/IATA)

SHIPPING NAME: Paint

UN/NA NUMBER: UN1263

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

ERG: 3L

NOTE: Read safety instructions, SDS and emergency procedures before handling.

VESSEL (IMO/IMDG)

SHIPPING NAME: Paint

UN/NA NUMBER: UN1263

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

EmS: F-E, S-E

MARINE POLLUTANT #1: No

LABEL: FLAMMABLE LIQUID

NOTE: Read safety instructions, SDS and emergency procedures before handling.

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

SAFETY DATA SHEET

Date Prepared : 07/23/2019
MSDS No : AST EPOXO-5044

American Safety Technologies EPOXO-5044 Olive Drab



Flammable
Liquid

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Nepheline Syenite	37244-96-5
Low Boiling Point Naphtha - Solvent Naphtha (petroleum), Light Aliph.	64742-89-8
VM&P Naphtha	8032-32-4
Attapulgit	12174-11-7
Carbon Black	1333-86-4

CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Not Regulated

CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS): Not Regulated

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Low Boiling Point Naphtha - Solvent Naphtha (petroleum), Light Aliph.	Pennsylvania Right to Know List

CALIFORNIA PROPOSITION 65: This product contains toluene, a chemical known to the state of California to cause birth defects or other reproductive harm.

SDWA (SAFE DRINKING WATER ACT): Not Regulated

16. OTHER INFORMATION

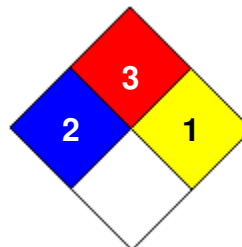
Date Prepared: 07/23/2019

INFORMATION CONTACT: (281) 397-0033

HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		1
PERSONAL PROTECTION		B

NFPA CODES



MANUFACTURER DISCLAIMER: This document may be used to comply with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200.

To the best of our knowledge, the information contained in this SDS is accurate. It is intended to assist the user in his/her evaluation of the product's hazards and safety precautions to be taken in its use. The data in this SDS relate only to the specific material designated herein. We do not assume liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

SAFETY DATA SHEET

Date Prepared : 07/23/2019

MSDS No : AST EPOXO-5044

American Safety Technologies EPOXO-5044 Olive Drab

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of ITW Polymers Sealants North America. The data on this sheet relates only to the specific material designated herein. ITW Polymers Sealants North America assumes no legal responsibility for use or reliance upon these data.