SAFETY DATA SHEET

Date Issued : 09/20/2019
SDS No : AST AS-150 A

American Safety Technologies AS-150 HAPS Free

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: American Safety Technologies AS-150 HAPS Free

MANUFACTURER
ITW Polymers Sealants North America
12055 Cutten Road
Houston, TX 77066
Customer Service: (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 (Dermal), Category 5

Environmental:

Acute Hazards to the Aquatic Environment, Category 3
Chronic Hazards to the Aquatic Environment, Category 3

Physical:

Flammable Liquids, Category 3

GHS LABEL

Flame

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H226: Flammable liquid and vapour.
H313: May be harmful in contact with skin.
H412: Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

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.
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:

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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1253CWB9: In case of fire: Use appropriate media to extinguish.

Storage:

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

Disposal:

5207XY7K: 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
p-Chlorobenzotrifluoride	10 - 30	98-56-6
Silica, Crystalline	10 - 30	14808-60-7
Nepheline Syenite	10 - 30	37244-96-5
1,2,4-Trimethylbenzene	1 - 3	95-63-6
Propylene Glycol Monomethyl Ether	1 - 3	107-98-2
Aromatic Hydrocarbons	1 - 3	64742-95-6
Attapulgite	0.1 - 1	12174-11-7
Carbon Black	0.1 - 1	1333-86-4
Titanium Dioxide	< 1	13463-67-7

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 irriations develops or persists. Wash clothing before reuse.

INGESTION: Rinse mouth. Get medical advice/attention if symptoms occur or you feel unwell.

INHALATION: Remove person to fresh air. Seek medical attention if discomfort persists.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Direct contact with eyes may cuase temporary irritation.

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.

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 II

GENERAL HAZARD: Flammable liquid and vapor.

EXTINGUISHING MEDIA: Water Fog, Foam, Dry Chemical Powder, Carbon Dioxide (CO2).

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

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EXPLOSION HAZARDS: Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. 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 ignitible 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.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid run-off into storm drains, ditches and waterways.

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.

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. Containers may be hazardous when empty.

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)			
	EXPOSURE LIMITS		
Chemical Name	**Type**	**ppm**	**mg/m^3**

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p-Chlorobenzotrifluoride	**OSHA PEL**	**TWA**	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	**TWA**	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
Silica, Crystalline	**OSHA PEL**	**TWA**	NL	0.1 mg/m3
		STEL	NL [1]	NL [1]
	ACGIH TLV	**TWA**	NL	0.05 mg/m3
		STEL	NL [1]	NL [1]
Nepheline Syenite	**OSHA PEL**	**TWA**	[2]	5 mg/m3 [2]
		TWA	[3]	15 mg/m3 [3]
1,2,4-Trimethylbenzene	**OSHA PEL**	**TWA**	25 ppm	125 mg/m3
		STEL	NL [1]	NL [1]
	ACGIH TLV	**TWA**	25 ppm	123 mg/m3
		STEL	NL [1]	NL [1]
Propylene Glycol Monomethyl Ether	**ACGIH TLV**	**TWA**	100	369
		STEL	150	553
Aromatic Hydrocarbons	**OSHA PEL**	**TWA**		400
		STEL	NL [1]	NL [1]
	ACGIH TLV	**TWA**	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
Attapulgite	**OSHA PEL**	**TWA**	[4]	15 mg/m3 [4]
Carbon Black	**OSHA PEL**	**TWA**	NL [1]	3.5 [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	**TWA**	NL [1]	3.5 [1]
		STEL	NL [1]	NL [1]
Titanium Dioxide	**OSHA PEL**	**TWA**	NL [1]	15 T [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	**TWA**	NL [1]	10 [1]
		STEL	NL [1]	NL [1]

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

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

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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 was 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: Pungent

COLOR: WhiteTint Base, Neutral Tint Base, Safety Yellow, Tile Red, Medium Gray, Black or Green

pH: Not Available

FLASH POINT AND METHOD: 40.6°C (105°F)

FLAMMABLE LIMITS: Not Available to Not Available

AUTOIGNITION TEMPERATURE: 479°C (894.2°F)

VAPOR PRESSURE: 8 mmHg

VAPOR DENSITY: Not Available

BOILING POINT: > 115.56°C (240°F)

FREEZING POINT: Not Available

MELTING POINT: Not Available

EVAPORATION RATE: Not Available

DENSITY: 15.26 lbs/gal

SPECIFIC GRAVITY: 1.83

VISCOSITY: Not Available

(VOC): 86 gr/L

10. STABILITY AND REACTIVITY

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 temperatues exceeding the flash point. Contact with incompatible materials.

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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}	DERMAL LD_{50}	INHALATION LC_{50}
p-Chlorobenzotrifluoride	> 6800 mg/kg	> 2700 mg/kg	4479 ppm (4-hr dose)
Silica, Crystalline	No data	No data	No data
Nepheline Syenite	No data	No data	No data
1,2,4-Trimethylbenzene	5000 mg/kg (rats)	No data	18000 mg/cub m (4-hr dose - rat)
Propylene Glycol Monomethyl Ether	5660	13000	15000
Aromatic Hydrocarbons	No data	No data	No data
Attapulgite	No data	No data	No data
Carbon Black	No data	No data	No data
Titanium Dioxide	No data	No data	No data

NOTES: May be harmful in contact with skin.

SKIN CORROSION/IRRITATION: May be harmful in contact with skin.

SERIOUS EYE DAMAGE/IRRITATION: Direct contact with eyes may cause temporary 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	NTP Status	IARC Status
Silica, Crystalline	1	1
Attapulgite		2B
Titanium Dioxide		2B

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

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: Harmful to aquatic life with long lasting effects.

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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: III

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: III

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: III

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

Flammable Liquid

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
1,2,4-Trimethylbenzene	1 - 3	95-63-6

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
p-Chlorobenzotrifluoride	98-56-6
Silica, Crystalline	14808-60-7
Nepheline Syenite	37244-96-5
1,2,4-Trimethylbenzene	95-63-6
Propylene Glycol Monomethyl Ether	107-98-2
Aromatic Hydrocarbons	64742-95-6
Attapulgite	12174-11-7
Carbon Black	1333-86-4
Titanium Dioxide	13463-67-7

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
p-Chlorobenzotrifluoride	New Jersey Right to Know List Pennsylvania Right to Know List
Silica, Crystalline	New Jersey Right to Know List Pennsylvania Right to Know List Massachusetts Toxic Use Reduction Act (TURA) Reportable Chemical
1,2,4-Trimethylbenzene	Illinois Right to Know List Minnesota Right to Know List New Jersey Right to Know List Pennsylvania Right to Know List Rhode Island Right to Know List

CALIFORNIA PROPOSITION 65

Chemical Name	Wt.%	Listed
p-Chlorobenzotrifluoride	10 - 30	• Cancer
Silica, Crystalline	10 - 30	• Cancer
Titanium Dioxide	< 1	• Cancer

SDWA (SAFE DRINKING WATER ACT): Not Regulated

16. OTHER INFORMATION

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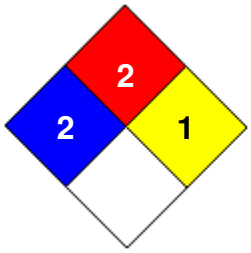
INFORMATION CONTACT: (281) 397-0033

HMIS RATING

HEALTH	2
FLAMMABILITY	1
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.

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