

# SAFETY DATA SHEET

Date Prepared : 03/20/2019  
MSDS No : AST AS-250 B

## American Safety Technologies AS-250 Hardener - Part B

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** American Safety Technologies AS-250 Hardener - Part B

#### 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:

Skin Corrosion, Category 2  
Serious Eye Damage, Category 2A  
Skin Sensitization, Category 1  
Target Organ Toxicity (Single exposure), Category 3

##### Physical:

Flammable Liquids, Category 3

#### GHS LABEL



Flame



Exclamation  
mark

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H226: Flammable liquid and vapour.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.

#### 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.  
P220: Keep away from clothing and other combustible materials.  
P234: Keep only in original packaging.  
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.  
P270: Do not eat, drink or smoke when using this product.

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P271: Use only outdoors or in a well-ventilated area.  
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].  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P378: Use appropriate media to extinguish.

### Storage:

P233: Keep container tightly closed.  
P403+P235: Store in a well-ventilated place. Keep cool.  
P405: Store locked up.  
P420: Store separately.

### 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
Polyamides	60 - 100	NA
Propylene Glycol Monomethyl Ether	10 - 30	107-98-2

### 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. 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. Permanent eye damage including blindness could result.

**SKIN:** May cause skin irritation; redness, pain, allergic skin reaction, dermatitis, rash.

**NOTES TO PHYSICIAN:** Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**ADDITIONAL INFORMATION:** 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

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this SDS to the doctor in attendance.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Class II

**GENERAL HAZARD:** Combustible Liquid. Heating may cause a fire.

**EXTINGUISHING MEDIA:** Water Fog, Foam, Dry Chemical Powder, Dry Sand, Carbon Dioxide  
Do not use water jet as an extinguisher, as this will spread the fire

**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.

**HAZARDOUS DECOMPOSITION PRODUCTS:** During fire, gases hazardous to health may be formed

### 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.

### 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. Use only outdoors or in a well ventilated area. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation). Vapors may be heavier than air and will collect in low areas. Containers may be hazardous when empty.

**STORAGE:** Store locked up. 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 other materials.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

#### OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m <sup>3</sup>
Polyamides	OSHA PEL	TWA	NL [1]	NL [1]
Propylene Glycol Monomethyl Ether	ACGIH TLV	TWA	100	369
		STEL	150	553

**Footnotes:**  
1. NL = Not Listed

**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 full-face shield as required by 29 CFR 1910.133 - OSHA Eye and Face Protection Standard. A suitable emergency eye wash station and safety shower should be located near the work station.

**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).

**WORK HYGIENIC PRACTICES:** Use good hygiene practices when handling this material. Wash hands thoroughly after use.

**OTHER USE PRECAUTIONS:** Wear appropriate thermal protective clothing, when necessary.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Amine-like odor

**COLOR:** Amber

**pH:** Not Available

**FLASHPOINT AND METHOD:** > 55°C (131°F)

**FLAMMABLE LIMITS:** Not Available to Not Available

**VAPOR PRESSURE:** 8 mmHg

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**VAPOR DENSITY:** 3.1  
**BOILING POINT:** > 115.56°C (240°F)  
**FREEZING POINT:** Not Available  
**MELTING POINT:** Not Available  
**EVAPORATION RATE:** 0.5 (n-Butyl Acetate=1)  
**DENSITY:** 8.17  
**SPECIFIC GRAVITY:** 0.98  
**VISCOSITY:** Not Available

### 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, and other sources of ignition. Avoid contact with incompatible materials.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** None  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition will not occur if handled and stored properly.  
**INCOMPATIBLE MATERIALS:** Strong acids.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Polyamides	No data	No data	No data
Propylene Glycol Monomethyl Ether	5660	13000	15000

**NOTES:** Narcotic effects. May cause an allergic skin reaction.

**SKIN CORROSION/IRRITATION:** Causes skin irritation. May cause an allergic skin reaction.

**SERIOUS EYE DAMAGE/IRRITATION:** Causes serious eye irritation

**RESPIRATORY OR SKIN SENSITISATION:** May cause allergic skin reaction.

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

#### CARCINOGENICITY

**NOTES:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

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

**STOT-SINGLE EXPOSURE:** May cause drowsiness and dizziness.

**STOT-REPEATED EXPOSURE:** Not classified.

**ASPIRATION HAZARD:** Not Available

### 12. ECOLOGICAL INFORMATION

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**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:** Contains components that are potentially toxic to freshwater and saltwater ecosystems.

### 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:** 1263

**PACKING GROUP:** III

**NAERG:** 128

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

#### AIR (ICAO/IATA)

**SHIPPING NAME:** Paint

**UN/NA NUMBER:** 1263

**PRIMARY HAZARD CLASS/DIVISION:** 3

**PACKING GROUP:** III

**ERG:** 128

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

#### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Paint

**UN/NA NUMBER:** 1263

**PRIMARY HAZARD CLASS/DIVISION:** 3

**PACKING GROUP:** III

**EmS:** F-E, S-E

**MARINE POLLUTANT #1:** No

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

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

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Flammable  
Liquid

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Propylene Glycol Monomethyl Ether	107-98-2

### CLEAN AIR ACT

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

**CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS):** Not Regulated

**SDWA (SAFE DRINKING WATER ACT):** Not Regulated

### 16. OTHER INFORMATION

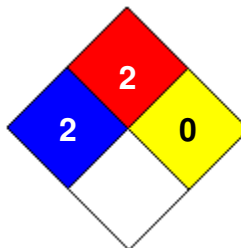
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INFORMATION CONTACT: (281) 397-0033

#### HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		0
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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