

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 03/20/2019
SDS No : AST AS-250 B

American Safety Technologies AS-250 Hardener - Part B

SECTION 1 : Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Product name : American Safety Technologies AS-250 Hardener - Part B

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Manufacturer

ITW Polymers Sealants North America
12055 Cutten Road
Houston, TX 77066

Service Number : (281) 397-0033

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Health : Acute Toxicity (Oral), Category 4
Acute Toxicity (Dermal), Category 4
Acute Toxicity (Inhalation), Category 3
Skin Corrosion, Category 2
Serious Eye Damage, Category 1
Target Organ Toxicity (Single exposure), Category 3

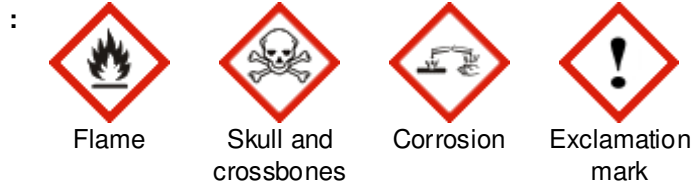
Environmental : Chronic Hazards to the Aquatic Environment, Category 3
Acute Hazards to the Aquatic Environment, Category 2

Physical : Organic Peroxides, Type D

2.2. Label elements

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictogram(s)



Hazard statement(s) : H242: Heating may cause a fire.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H331: Toxic if inhaled.
H412: Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

Prevention : P102: Keep out of reach of children.

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P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273: Avoid release to the environment.
 P270: Do not eat, drink or smoke when using this product.
 P220: Keep away from clothing and other combustible materials.
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P234: Keep only in original packaging.
 P271: Use only outdoors or in a well-ventilated area.
 P264: Wash thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

: P311: Call a POISON CENTER or doctor
 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.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P330: Rinse mouth.
 P362+P364: Take off contaminated clothing and wash it before reuse.

Storage

: P233: Keep container tightly closed.
 P403+P235: Store in a well-ventilated place. Keep cool.
 P405: Store locked up.
 P420: Store separately.
 P410: Protect from sunlight.
 P411: Store at temperatures not exceeding 25°C / 77°F.

Disposal

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

2.3. Other hazards**SECTION 3: Composition / information on ingredients****3.1. Substances**

Not Applicable

3.2. Mixtures

Chemical Name	CAS	EINECS No.	Wt.%
Polyamides	NA	Not Applicable	60 - 100
Propylene Glycol Monomethyl Ether	107-98-2	203-539-1	10 - 30

SECTION 4: First aid measures**4.1. Description of first aid measures****General notes**

: 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.

Following 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

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irritation develops and persists.

Following 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.

Following ingestion

: Rinse mouth. Get medical advice/attention if you feel unwell.

Following inhalation

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

4.2. Most important symptoms and effects, both acute and delayed

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.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician

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

SECTION 5: Fire fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

General hazard

: Combustible Liquid. Heating may cause a fire.

5.3. Advice for firefighters

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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.

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

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,

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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.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

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.

Eye/face protection

: 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

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station.

Skin protection

: Wear chemical resistant, impervious gloves.

Respiratory protection

: 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 precautions

: Wear appropriate thermal protective clothing, when necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Chemical Name	Flash Point (°C)
Propylene Glycol Monomethyl Ether	90

Physical state

: Liquid

Colour

: Amber

Odour

: Amine-like odor

pH

: Not Available

Melting temperature

: Not Available

Freezing temperature

: Not Available

Boiling temperature

: > 115.56°C (240°F)

Flash point

: > 55°C (131°F)

Evaporation rate

: 0.5 (n-Butyl Acetate=1)

Flammable limits

: Not Available to Not Available

Vapor pressure

: 8 mmHg

Vapor density

: 3.1

Density

: 8.17

Specific gravity

: 0.98

Viscosity

: Not Available

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Chemical stability : Stable under normal storage and application conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions : None

Hazardous polymerization : Product will not undergo polymerization.

10.4. Conditions to avoid

Conditions to avoid : Avoid heat, flames, sparks, and other sources of ignition. Avoid contact with incompatible materials.

10.5. Incompatible materials

Incompatible materials : Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products : Decomposition will not occur if handled and stored properly.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
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 : 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

SECTION 12: Ecological information

12.1. Toxicity

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

12.2. Persistence and degradability

12.3. Bioaccumulative potential

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12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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.

SECTION 14: Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical safety assessment

SECTION 16: Other information

Information contact : (281) 397-0033

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.

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.

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