

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

American Safety Technologies AS-250 - Part A

SDS No : AST AS-250 A

Date Issued : 09/20/2019

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

1.1. Product identifier

Product name : American Safety Technologies AS-250 - Part A

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]





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Hazard pictogram(s) :    

Flame Skull and crossbones Corrosion Exclamation mark

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.
 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/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

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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 ...°C/...°F.

Disposal

: P501: Dispose of contents/container to ...

2.3. Other hazards

SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

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Chemical Name	CAS	EINECS No.	Wt. %	Classification according to Regulation (EC) No 1272/2008 [CLP]
Aluminum Oxide	1344-28-1	215-691-6	10 - 30	Not classified
Silica, Crystalline	14808-60-7	238-878-4	10 - 30	Carc.,Cat. 1A; STOT SE,Cat. 3; STOT RE,Cat. 1; H350; H335; H372
Nepheline Syenite	37244-96-5	Not Applicable	10 - 30	Not classified
Bisphenol A/epichlorohydrin Resin	25068-38-6	--	5 - 10	Not classified
Propylene Glycol Monomethyl Ether	107-98-2	203-539-1	1 - 5	Not classified
Methyl (n-amyl) Ketone	110-43-0	--	1 - 5	Not classified
1,2,4-Trimethylbenzene	95-63-6	--	1 - 3	Not classified
Aromatic Hydrocarbons	64742-95-6	--	1 - 3	Not classified
Titanium Dioxide	13463-67-7	236-675-5	0.1 - 1	Not classified
Xylenes (o-,m-,p-Isomers)	1330-20-7	215-535-7	0.1 - 1	Not classified
Carbon Black	1333-86-4	--	0.1 - 1	Not classified
Ethyl Benzene	100-41-4	--	0.1 - 1	Not classified

For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General notes : If exposed or concerned: Get medical

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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.

- 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 irritation develops and persists.
- Following skin** : Remove contaminated clothing. Wash the affected area immediately with large amounts of soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash clothing before reuse.
- Following ingestion** : Rinse mouth. Get medical advice/attention if symptoms occur or you feel unwell.
- Following inhalation** : Remove person to fresh air. Seek medical attention if discomfort persists.

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

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

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SECTION 5: Fire fighting measures

5.1. Extinguishing media

Extinguishing media : Water Fog, Foam, Dry Chemical Powder, Carbon Dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

General hazard : Flammable liquid and vapor.

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 explosion : No unusual fire or explosion hazards noted.

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

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Water spill : Avoid run-off into storm drains, ditches and waterways.

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, 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.

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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. 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 : 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.

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

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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 a full-face shield. Do not wear contact lenses.
- 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). 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.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

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

Physical state	: Liquid
Colour	: Gray, Haze Gray, Black, Tile Red and Safety Yellow
Odour	: Slight
pH	: Not Available
Melting temperature	: Not Available
Freezing temperature	: Not Available
Boiling temperature	: > 115.56°C (240°F)
Flash point	: > 27.2°C (81°F)
Evaporation rate	: < 1.0 (n-Butyl Acetate=1)
Flammable limits	: Not Available
Vapor pressure	: 8 mmHg
Vapor density	: > 1
Density	: 15.77 lbs/gal
Specific gravity	: 1.89
Auto-ignition temperature	: 398°C (748.4°F)
Viscosity	: Not Available

9.2. Other information

(VOC) : 2.07 lbs/gals

SECTION 10: Stability and reactivity

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10.1. Reactivity

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, static electricity and other sources of ignition. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

10.5. Incompatible materials

Incompatible materials : Strong oxidizing agents, strong acids and halogens.

10.6. Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

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Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Silica, Crystalline	No data	No data	No data
Nepheline Syenite	No data	No data	No data
Bisphenol A/epichlorohydrin Resin	13600 mg/kg (rats)	No data	No data
Propylene Glycol Monomethyl Ether	5660	13000	15000
Methyl (n-amyl) Ketone	1670 mg/kg	No data	No data
1,2,4-Trimethylbenzene	5000 mg/kg (rats)	No data	18000 mg/cub m (4-hr dose - rat)
Aromatic Hydrocarbons	No data	No data	No data
Titanium Dioxide	No data	No data	No data
Xylenes (o-,m-,p- Isomers)	4300 mg/kg	2000 mg/kg	26800 ppm
Carbon Black	No data	No data	No data

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

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Chemical Name	IARC Status
Silica, Crystalline	1
Titanium Dioxide	2B
Xylenes (o-,m-,p- Isomers)	3

- 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.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity : Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulative potential : **Partition coefficient n-octanol/water (log Kow)**
 Methyl Amyl Ketone (MAK) - 1.6
 Ethyl Benzene - 1.98
 Xylene - 3.12-3.2

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

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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

14.7. 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

Relevant H-statements (number and full text) : Carc., Cat. 1A: Carcinogenicity, Category 1A
 STOT RE, Cat. 1: Target Organ Toxicity (Repeated exposure), Category 1
 STOT SE, Cat. 3: Target Organ Toxicity (Single exposure), Category 3
 H335: May cause respiratory irritation.
 H350: May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
 H372: Causes damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

Information contact : (281) 397-0033

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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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