

Mixgran® ETU

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Shandong Yanggu Huatai Chemical Co., LTD No.399, Qinghexi Road Yanggu County, Shandong, China 252300	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): Mixgran® ETU 75, Mixgran® ETU 80	Chemical Name: Ethylene thiourea
Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.	Application of the substance/the preparation: Rubber compounding.
Issued By: Sovereign Chemical Company (Distributor) 4040 Embassy Parkway, Suite 190 Akron, Ohio 44333	Date of Issue: August 1, 2026

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012), Regulation (EC) No 1272/2008, 1907/2006/EC (REACH), and GHS

Hazard Pictograms (CLP)	:  GHS07,  GHS08
Signal Word	: Danger
Hazard statements (CLP)	: H302 - Harmful if swallowed, Category 4 H360 - May damage fertility of the unborn child, Category 1B
Precautionary statements (CLP)	: P264 - Wash skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P301 + P312- IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell P330 - Rinse mouth P501 - Dispose of contents/ container to approved waste disposal plant P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P281 - Use personal protective equipment as required P308 + P313 - IF exposed or concerned: Get medical advice/attention P405 - Store locked up
Other Hazard	: This substance does not meet the criteria for PBT / vPvB of REACH regulation, annex XIII

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No	EC No	Weight %	Classification
1,3-Ethylene thiourea	96-45-7	202-506-9	≥ 75	H302 - Harmful if swallowed, Category 4 H360 – May damage fertility of the unborn child, Category 1B
EPDM	Propriety	Propriety	≥ 25	N/A

General CAS No. EPDM: 25038-36-2 / EC No: 607-505-0

4. FIRST AID MEASURES

Description of first aid measures

First-aid measures general:	In all cases of doubt, or when symptoms persist, seek medical attention
First-aid measures after inhalation:	Remove from exposure and move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
First-aid measures after skin contact:	Flush the skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
First-aid measures after eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid if irritation persists.
First-aid measures after ingestion:	Rinse mouth and drink plenty of water. Do not induce vomiting. Get medical aid.

Most important symptoms and effects, both acute and delayed

General:	Harmful if swallowed. May damage the unborn child.
----------	--

Indication of any immediate medical attention and special treatment needed

General:	If skin irritation or a rash occurs, get medical advice/attention.
----------	--

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents:	Water spray, foam, dry powder.
Unsuitable extinguishing agents:	No information available.

Special hazards arising from the substance or mixture

General: Hazardous decomposition products: carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

Advice for firefighters

General: Wear a self-contained breathing apparatus in pressure-demand MSHA/NIOSH (approved or equivalent), and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Non-emergency personnel: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Avoid contact with skin and eyes.

Emergency personnel: Wear an appropriate NIOSH/MSHA-approved respirator if mist, vapor, or dust is generated.

Environmental precautions

General precautions: Prevent further leakage or spillage if safe to do so. Do not let the product enter drains. Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

General methods and materials: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Flush the area with water.

Reference to other sections

Sections: See Section 7 for more information
See section 8 for more information
See section 13 for more information

7. HANDLING AND STORAGE

Precautions for safe handling

General: Use personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust. Provide appropriate exhaust ventilation at places where dust is formed. Wash hands thoroughly after handling. Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities

General: Store in the original container, protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials, food, and drink. Keep the container tightly closed and sealed until ready for use.

Specific end use(s)

General: No other information available.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Control Parameters

General: Not available

DNEL: Not available

PNEL: Not available

Exposure controls

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal protective equipment: Wear tightly fitting safety goggles. Wear appropriate protective gloves. Wear appropriate protective clothing and boots.

Respiratory protection: Wear a dust-protection mask if there is a risk of dust formation.

Thermal hazard: Wear suitable protective clothing to prevent heat.

Environmental exposure: Avoid discharge into the environment. According to local regulations, Federal, and official regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form: Granule	Melting Point/Range: > 198°C
Color: Beige	Boiling Point/Range: Not available
Odor: Not available	Odor threshold: Not available
pH: Not available	Flash point: Not available

Vapor Pressure: Not available	Flammability: Not flammable
Density at 20 °C: 1.27 g/cm ³	Ignition temperature: Not available
Relative density: Not applicable	Decomposition temperature: ca.240°C
Solubility: Water: Not available	Partition coefficient (n-octanol/water): -0.67 (20°C)
Oxidizing properties: Not available	Explosion limits: Lower: Not applicable Upper: Not applicable

Other information:

No further relevant information available.

10. STABILITY AND REACTIVITY

Reactivity:	Stable under recommended storage and handling conditions.
Chemical Stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions:	No dangerous reactions are known.
Conditions to avoid:	Incompatible materials. Heat, high temperature.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:	Harmful if swallowed.
Skin corrosion/irritation:	Not classified.
Serious eye damage:	Not classified.
Sensitization:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.

Reproductive toxicity:	May damage the unborn child.
STOT single exposure:	Not classified.
STOT multiple exposure:	Not classified.
Aspiration hazard:	Not classified
Endocrine disrupting properties:	Not classified.
Other information:	No information available

12. ECOLOGICAL INFORMATION

Toxicity

Very toxic to aquatic life with long lasting effects.

1,3-Ethylene thiourea (CAS #: 96-45-7)	
LC50 96h - fish	N/A
EC50 48h - Crustacea	N/A
EC50 72h - Algae	N/A
NOEC- Crustacea	N/A

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Results of PBT and vPvB assessment

Not available

Endocrine disrupting properties

Not available

Other adverse effects

Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

General:	Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Additionally, waste
----------	---

generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. If an empty container retains product residues, all label precautions must be observed. Return for reuse or dispose of according to national or local regulations.

14. TRANSPORTATION INFORMATION

UN-Number	
DOT, ADR, IMDG, IATA	Not regulated
UN proper shipping name	
DOT, ADR, IMDG, IATA	Not regulated
Transport hazard class(es)	
DOT, ADR, IMDG, IATA	Not regulated
Packing group	
DOT, ADR, IMDG, IATA	Not regulated
Environmental hazards	
DOT, ADR, IMDG, IATA	Non-marine pollutant
Special precautions for user	No information available
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

15. REGULATORY INFORMATION

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

SARA Section 355 (extremely hazardous substances)	Not listed
SARA Section 313 (Specific toxic chemical listings)	Listed
TSCA (Toxic Substances Control Act)	Listed
Proposition 65 (California)	
Chemicals known to cause cancer	Listed
Chemicals known to cause reproductive toxicity for females	Not listed
Chemicals known to cause reproductive toxicity for males	Not listed
Chemicals known to cause developmental toxicity	Listed
Carcinogenic Categories	
IARC (International Agency for Research on Cancer)	Listed
TLV (Threshold Limit Value established by ACGIH)	Not listed
NIOSH (National Institute for Occupational Safety and Health)	Listed
OSHA (Occupational Safety & Health Administration)	Not listed
Canada	
Canadian Domestic Substances List (DSL)	Listed
Canadian Ingredient Disclosure list (limit 0.1%)	Listed

Canadian Ingredient Disclosure list (limit 1%)	Not listed
REACH	
REACH Candidate List	Not listed
REACH XIV List	Not listed

Chemical safety assessment:

No chemical safety assessment has been carried out

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship