



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco AZ 130**

Other means of identification:

Product Description: Westco AZ 130 is a blowing agent used in rubber and plastics.
Synonyms: Azodicarbonamide; AC blowing agent, ADC, 1,1'-Azobisformamide

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Westco AZ 130 is a blowing agent for rubber and plastics.

Chemical distributor, or other responsible party Name, address, and telephone number:

Distributor Name: Western Reserve Chemical Corporation
Address: 4837 Darrow Road
Stow, OH 44224
USA
General Phone Number: 330 650 2244
General Fax Number: 330 650 2255

Emergency phone number::

Emergency Phone Number: Chemtrec 1 800 424 9300 USA
Website: www.wrchem.com

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

GHS Pictograms:



GHS Class: Respiratory Sensitizer, Category 1.

Hazard Statements: * Catches fire spontaneously if exposed to air.
* May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements: * Avoid breathing dust/fume/gas/mist/vapours/spray.
* In case of inadequate ventilation wear respiratory protection.
* IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
* If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
* Dispose of contents/container in accordance with Local, State, and Federal regulations.
* Avoid dispersion of dust in air to reduce potential for dust ignition/explosions.

Hazards not otherwise classified that have been identified during the classification process:

Azodicarbonamide

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation (lung sensitizer).

Eye: May cause watering, redness and stinging sensation.

Skin: May cause itching and redness. Prolonged or repeated skin contact may cause an allergic reaction

Inhalation: Inhalation of process fumes may irritate the nose and throat. Prolonged or repeated inhalation may affect the liver, metabolism, blood.

Ingestion: Mildly toxic if ingested. May cause gastrointestinal tract irritation with hypermotility and diarrhea. May affect respiration (respiratory stimulation, asthma), Prolonged or repeated ingestion may affect the kidneys, and endocrine system (thyroid hypofunction)

Chronic Health Effects: Slightly hazardous in case of skin contact (sensitizer).
The substance may be toxic to kidneys.
Repeated or prolonged exposure to the substance can produce target organs damage.

Carcinogenicity: Not available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Azodicarbonamide	123-77-3	100 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.. Get medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Flammable solid.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).

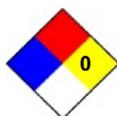
Special protective equipment and precautions for fire-fighters:

Protective Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire Fighting Instructions: Evacuate area of unprotected personnel. Use cold water spray or to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water

NFPA Ratings:

NFPA Reactivity: 0



SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions: Corrosive. Use proper personal protective equipment as listed in section 8.

Environmental precautions:

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Avoid release to the environment.

Methods and materials for containment and cleaning up:

Methods for containment: Prevent from spreading by covering, diking or other means.

Methods for cleanup: SMALL SPILL: Use appropriate tools to put the spilled solid in a convenient waste disposal container.
LARGE SPILL: Flammable Solid; Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements, or confined areas. Dike if needed. Eliminate all ignition sources. Call for assistance.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Precautions: Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Hygiene Practices: Follow good industrial hygiene practices when handling this material. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities:

Storage: Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers.
Maximum storage temperature: 80° C(176°F)

Specific end use(s):

Work Practices: Safety showers and eye wash stations should be available. Material is Combustible. Avoid smoking, keep away from open flames and sources of static or electrical sparking.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures:

Eye/Face Protection: Safety goggles. Eyewash station in work area

Skin Protection Description: Apron or coveralls should be used to prevent contact with skin or clothing.

Hand Protection Description: Protective gloves.

Respiratory Protection: A self contained breathing apparatus should be used to avoid inhalation of the product

PPE Pictograms:



Notes : Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Solid. (Crystalline powder.)

Color: Orange-Red. Yellow.

Odor: Not available.
Taste: Not available.

Odor Threshold: Not available.

Boiling Point: Not available.

Melting Point: Decomposition temperature: 225 deg C (437 deg F)

Specific Gravity: Not available.

Solubility: Soluble in hot water.
Partially soluble in diethyl ether.
Very slightly soluble in cold water.
Insoluble in organic solvents.
Soluble in Dimethylsulfoxide.

Vapor Density: Not available.

Vapor Pressure: Not applicable.

Percent Volatile: Not available.

pH: (1% soln/water): 6.5

Molecular Weight: 116.08 g/mole

Flash Point: Not available.

Auto Ignition Temperature: Not available.

9.2. Other information:

Notes : Critical Temperature: Not available.
Ionicity (in Water): Not available.
Dispersion Properties: See solubility in water, diethyl ether.

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: Special Remarks on Reactivity: Sensitive to light.

Chemical Stability:

Chemical Stability: The product is stable when stored at or below the recommended maximum temperature, 80° C (176° F)

Possibility of hazardous reactions:

Hazardous Polymerization: Will not occur.

Conditions To Avoid:

Conditions to Avoid: Conditions of Instability: Heat, ignition sources, incompatible materials

Incompatible Materials:

Incompatible Materials: Incompatibility with various substances: Reactive with oxidizing agents.

Notes :

Corrosivity: Not available.
Special Remarks on Corrosivity: Not available.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Azodicarbonamide :

Acute Toxicity: Special Remarks on Toxicity to Animals: Not available.

Azodicarbonamide :

Eye: Special Remarks on other Toxic Effects on Humans:
May cause mechanical eye irritation.

Skin: Toxicity to Animals:
Acute dermal toxicity (LD50): > 500 mg/kg [Rat].
Special Remarks on other Toxic Effects on Humans:
May cause skin irritation. It may be absorbed by the skin.

Inhalation: Special Remarks on other Toxic Effects on Humans:
May cause respiratory tract irritation.

Ingestion: Toxicity to Animals:
Acute oral toxicity (LD50): > 6400 mg/kg [Rat].
Special Remarks on other Toxic Effects on Humans:
May cause gastrointestinal tract irritation with hypermotility and diarrhea. May affect respiration (respiratory stimulation, asthma)

Chronic Effects: On Humans: May cause damage to the following organs: Kidneys.
Special Remarks on Chronic Effects on Humans: May affect genetic material (mutagenic)

Mutagenicity: Mutagenic for bacteria and/or yeast.

Teratogenicity: Not available.

SECTION 12 : ECOLOGICAL INFORMATION

Azodicarbonamide :

Ecotoxicity:

Ecotoxicity: Toxicity to Fish: EC50 - Fathead minnow (Pimephales promelas) Result: >50mg/l Exposure time: 48 h

Persistence and degradability:

Biodegradation: Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Contaminated Packaging: Please ensure that packaging, including drums, are disposed of in a responsible manner and in accordance with federal, and your state's, solid/hazardous waste regulations. Due to more restrictive waste disposal regulations, NEVER wastetreat or dispose of material until you check your appropriate local, state, & federal regulations for requirements.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Azodicarbonamide
 DOT UN Number: 3242
 DOT Hazard Class: 4.1: Flammable solid.
 DOT Packing Group: II
 DOT Pictograms:



IATA Shipping Name: Azodicarbonamide
 IATA UN Number: 3242
 IATA Hazard Class: 4.1
 IATA Packing Group: II
 IATA Pictograms:



IMDG UN Number : 3242
 IMDG Shipping Name : Azodicarbonamide
 IMDG Hazard Class : 4.1
 IMDG Packing Group : II
 ICAO Hazard Class : FORBIDDEN BY AIR

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

TSCA Inventory Status: All components of this product are listed in the TSCA inventory of Chemicals Substances.

SARA: Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: **** NONE ****

CERCLA Section 302: Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4. Components present in this product at a level which could require reporting under the statute are: **** NONE ****

OSHA Process Safety: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Risk Phrases: R42 - May cause sensitization by inhalation. R44 - Risk of explosion if heated under confinement.

Safety Phrase: S16 - Keep away from sources of ignition - No smoking. S22 - Do not breathe dust. S24 - Avoid contact with skin. S28 - After contact with skin, wash immediately with plenty of water. S36/39 - Wear suitable protective clothing and eye/face protection.



SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1
 HMIS Fire Hazard: 1
 HMIS Reactivity: 0
 HMIS Personal Protection: X

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	X

SDS Revision Date: August 06, 2015

Notes : Important Note: This information relates to the specific product described herein and may not be valid for this material when used in combination with other raw materials. The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

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