

WESTERN RESERVE CHEMICAL

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MATERIAL SAFETY DATA SHEET

WESTCO ADC-4

CAS # 123-77-3

1. Product Identifications

Product Name:	Westco ADC-4
Chemical Name:	Azodicarbonamide
Formula:	C ₂ H ₄ N ₄ O ₂

2. Physical Description/Properties

Specific Gravity:	1.65
PH Value	6-7
Appearance:	Orange powder
Odor:	Nil
Decomposition Point	200-210°C

3. Hazard Information

Product as sold is not considered to be hazardous

Eye Contact: Nonirritant, but avoid eye contact. Prolonged eye contact with dust may cause irritation such as itching, reddening, tearing and burning.

Skin Contact: Slightly irritating, avoid skin contact. Infrequent skin contact is not expected to cause damage to skin. Repeated or prolonged contact with skin may cause reddening, itching, and inflammation.

Skin Absorption: This material is not absorbed through skin.

Ingestion: Nontoxic, ingestion of large amounts is unlikely. Ingestion of small amounts is not likely to cause acute toxicity or internal damage.

Possible mild gastrointestinal irritation with nausea, diarrhea and vomiting if large amounts are ingested.

Inhalation: Single exposure to dust is not expected to irritate. No incidents of dust inhalation health effects have been reported. Repeated or prolonged exposure to dust may cause respiratory tract irritation in some individuals.

Chronic Effects: None known.

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4. First Aid Information

Skin: Slightly irritating, avoid skin contact. Infrequent skin contact is not expected to cause damage to skin. Repeated or prolonged contact with skin may cause reddening, itching and inflammation.

Ingestion: Nontoxic, ingestion of large amounts is unlikely. Ingestion of small amounts is not likely to cause acute toxicity or internal damage. Possible mild gastrointestinal irritation with nausea, diarrhea and vomiting if large amounts are ingested.

Eyes: Nonirritant, but avoid eye contact. Prolonged eye contact with dust may cause irritation such as itching, reddening, tearing and burning.

Inhalation: Single exposure to dust is not expected to irritate. No incidents of dust inhalation health effects have been reported.

5. Handling and Storage

Storage: Store in a dry well-ventilated area avoiding direct exposure to sunlight

Stability in storage: one year

6. Employee Protection Recommendations

Eye Protection: Wear chemical safety glasses or goggles

Hand Protective Requirements: Wear protective gloves.

Skin Protective Requirements: Wear overalls.

Ventilation: Local exhaust

7. Toxicological Information

Low toxicity

8. Fire and Explosion Data

Decomposition point: 200-210°C

Exposure standard limits: Not available

Extinguish Media: Spray with water

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9. Reactivity

Chemical stability: Stable when stored in original container protected from heat and moisture.

Hazardous Polymerization: Does not occur.

Materials to avoid: Strong oxidizers, acids and basis. Avoid contact with nitrates.

Hazardous products of

decomposition: Heated above 200°C can generate nitrogen oxides.

10. Accidental Release and Disposal

Spills: Sweep and place in closable container. Avoid generation of dust. Wear appropriate protective clothing and safety devices. Do not use water to remove spilled material.

Disposal: Bury waste and empty containers in licensed landfill in adherence to federal, state and local regulations.

11. Transportation Information

DOT Status	Self-reactive solid type D (azodicarbonamide), 4.1, UN3242,PGII
DOT shipping name	Azocarbonamide
DOT reportable qty. (lbs)	1001
ICAO/IATA Status	Forbidden by air
Proper shipping name	Azodicarbonamide
UN/NA number	UN3242
IMDG shipping name	Self-reactive solid type D (azodicarbonamide), 4.1,UN3242, PGII

12. Regulatory Information

Worldwide inventory Status	
TSCA (USA):	Listed
Canadian DSL:	Listed
Canadian NDSL:	N/A
EINECS/ELINCS (Europe):	Listed
Japanese Inventory (ENCS):	Listed
Korean Chemical Inventory (ECL):	Listed
Australian Chemical Inventories (AICS):	Listed
New Zealand (NZ):	Listed
Philippines (PICCS) Inventory:	Listed
China (CLECS):	Listed

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US Regulatory Rules

SARA Section 302: None
SARA 311/312 Hazard Categories: None
Sara 313 Chemical: None

Other Regulations:

California Proposition 65: None
New Jersey Right-to-Know List: N/A
Pennsylvania Right-to-Know List: N/A
Florida Right-to-Know: N/A
Minnesota Right-to-Know: N/A
MA Right-to-Know Law: N/A

HMIS:

Health 1 Flammability 3 Reactivity 2

Important Note: 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.

3/09