



MATERIAL SAFETY DATA SHEET
Product Name: 3V ALLANTOIN

Supplier: McKinley Resources
P.O. Box 810472 Dallas, TX 75381
(972) 620-9730 business (972) 421.1860 fax info@mckinleyresources.com www.mckinleyresources.com

1.00 SECTION I. MATERIAL IDENTIFICATION

CHEMICAL CHARACTERIZATION: Urea, (2,5-dioxo-4-imidazolidinyl)

FORM: Powder
COLOR: White
ODOR: None

2.00 SECTION II. INGREDIENTS AND HAZARDS

CHEMICAL IDENTITY	CAS NO.	PERCENT
Urea, (2,5-dioxo-4-imidazolidinyl)	97-59-6	
WARNING STATEMENTS: Do not breathe dust. Avoid contact with eyes, skin, and mucous membranes.		

3.00 SECTION III. PHYSICAL DATA

MELTING POINT (°C) : > 220
BOILING POINT (°C) : n.a.
DENSITY (g/ml) : n.a.
BULK DENSITY (g/ml) : ca. 0.70
VAPOR PRESSURE
(mm Hg at 20°C) : n.a.
VISCOSITY (cp at 20°C) : n.a.
pH (0.5% in water) : 3.5-5.0
SOLUBILITY IN WATER : ca. 5

4.00 SECTION IV. FIRE AND EXPLOSION DATA

FLASH POINT (method): n.a. LEL: n.a. UEL: n.a.

EXTINGUISHING MEDIA: (X) CO2 (X) DRY CHEMICAL
(X) FOAM (X) WATER SPRAY

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear full protective clothing and SCBA when potential for exposure to products of combustion exists.

PROTECTIVE MEASURES TO AVOID FIRE/EXPLOSION: Do not store or mix with oxidizers. Avoid dust formation. Keep away from flames and sparks. Do not smoke.

NFPA HAZARD RATING INDEX: (1) HEALTH (1) FLAMMABILITY
(0) REACTIVITY (NA) SPECIAL



5.00 SECTION V. REACTIVITY DATA

STABILITY: (X) STABLE () UNSTABLE

INCOMPATIBILITY: () WATER () STRONG ACIDS () STRONG BASES
(X) OXIDIZERS () REDUCERS () COMBUSTIBLES
() OTHER:

HAZARDOUS DECOMPOSITION PRODUCTS: Unknown. On burning, nitrogen and carbon oxides can be evolved.

HAZARDOUS REACTIONS: Formation of carcinogenic nitrosamines for reaction with nitroso compounds as nitrogen oxides, NOCl, metallic nitrites, nitrosoesters.

CONDITIONS TO AVOID: None under normal conditions of use.

6.00 SECTION VI. HEALTH HAZARD INFORMATION

ACUTE EFFECTS:

LD50 (oral, rat): > 5,000 mg/kg

CHRONIC EFFECTS: Not established.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE: Unknown.

FIRST AID PROCEDURES:

SWALLOWING: Drink a lot of water. Induce vomiting. Seek medical advice.

DERMAL EXPOSURE: Immediately remove contaminated clothing. Wash with soap and water. Contact a physician if irritation develops.

EYE EXPOSURE: Rinse eyes under flowing water for 15 minutes. If irritation develops, contact a physician.

INHALATION: Move to fresh air. Administer oxygen and seek medical assistance if difficulty breathing.

7.00 SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES

STEPS TO TAKE IN CASE OF SPILL OR RELEASE: Collect in a suitable container avoiding dust formation.

WASTE DISPOSAL METHODS: Dispose in accordance with federal, state and local regulations.

HANDLING AND STORAGE: Keep containers tightly closed. Suggested storage conditions, maximum 1 year at 20°C.

OTHER PRECAUTIONS: Do not drink, eat, or smoke at the workplace.

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