



MATERIAL SAFETY DATA SHEET

Urea

46-0-0

I. NAME

PRODUCT/TRADE NAME: PERFECTION UREA 46-0-0
EPA REGISTRATION #: NONE
CHEMICAL NAME/Common Name:
Urea/Urea

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Urea	57-13-6	NE	NE

III. PHYSICAL DATA

SPECIFIC GRAVITY (H2O = 1): NE
MELTING POINT: NA
VAPOR DENSITY (AIR = 1): NE
% VOLATILES BY VOL.: NA
ODOR:None
APPEARANCE: Granules
FLASH POINT/METHOD: NA
VAPOR PRESSURE (mmHg): NA
SOLUBILITY IN H2O: Soluble

IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA: Water Fog Foam Alcohol Foam
 CO2 Dry Chemical Other

FIRE FIGHTING PRECAUTIONS & HAZARDS:

Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective equipment. Do not breathe smoke or spray mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

V. CARCINOGEN STATUS

OSHA NTP IARC No Listing Type

VI. REACTIVITY

Stable HAZARDOUS POLYMERIZATION
 Unstable May Occur Will Not Occur
AVOID: Bases, acids, oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: COx, Cl

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Sweep or vacuum into disposal container.

DECONTAMINATION: Treat spill area with detergent and water. Repeat as necessary until area is clean.

ENVIRONMENTAL HAZARDS: Dike to prevent entering drains, sewers or water courses.

DISPOSAL: Dispose of in accordance with Federal, state and local regulations.

VIII. HEALTH PRECAUTION DATA

INGESTION: Acute oral LD50 (guinea pig) 2500 mg/kg (RTECS*). Do not ingest. Wash thoroughly before eating, drinking or smoking.

INHALATION: No PEL/TLV established for this product. May be irritating to the respiratory tract. Wear proper respiratory protection for the exposures encountered.

SKIN ABSORPTION: Can cause minor skin irritation. Wear proper personal protective equipment to reduce skin exposure.

EYE EXPOSURE: May cause minor eye irritation. If exposed, flush eyes a minimum of 15 minutes with water. Wear proper eye protection to reduce exposure.

EFFECTS OF OVEREXPOSURE: Large doses can cause GI tract irritation, diarrhea, weakness, circulatory problems and blood pressure changes. Chronic exposure can cause pneumoconiosis. Pre-existing medical conditions involving the above symptoms may be aggravated by exposure.

FIRST AID: In all cases, get prompt medical attention. If ingested, give several glasses of water and induce vomiting. Do not induce vomiting if person is unconscious. For skin exposure, remove contaminated clothing and wash with soap and water. For eye exposure, irrigate a minimum of 15 minutes with water. For inhalation, remove victim to fresh air, and administer CPR if necessary.

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear only NIOSH/MSHA - approved respiratory protection for nuisance particulates up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and high exposures above the nuisance particulate PEL/TLV.

PERSONAL PROTECTIVE EQUIPMENT: Work gloves, safety goggles or glasses with side shields and brow protection.

VENTILATION: General ventilation to control nuisance dust.

X. SPECIAL PRECAUTIONS

Keep out of the reach of children.

Read and follow all label instructions.

Moist material may be corrosive to carbon steel.

XI. REGULATORY DATA

SARA HAZARD CLASS: Acute Chronic Flammable
 Pressure Reactive None

SARA 313: Yes No Chemical:

SARA 302: Yes No Chemical:

TPQ:

CERCLA: Yes No Chemical:

RQ:

RCRA: Yes No

NFPA HAZARD RATING:

Health: [1]

Fire: [1]

Reactivity: [0]

Special: []

HMIS CODES:

Health: [1]

Fire: [1]

Reactivity: [0]

NFPA HAZARD RATING SCORES:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

HMIS HAZARD RATING SCORES:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

DATE PREPARED: July 24, 2012

REVISED DATE:

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*Technical Material NE - Not Established NA - Not Applicable

24 Hour Emergency Phone Number

CHEMTREC: (800) 424-9300



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