



MATERIAL SAFETY DATA SHEET

Penetone® Corporation, 700 Gotham Parkway, Carlstadt, NJ 07072

DE-ICER™ 821

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SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: DE-ICER 821
GENERAL USE: Melting ice and snow
PRODUCT DESCRIPTION: DE-ICER
GENERIC INGREDIENTS: Urea

EMERGENCY TELEPHONE NUMBERS: **PENETONE 201-567-3000**
CHEMTREC 800-424-9300

SECTION 2 HAZARDOUS INGREDIENT SECTION

This product is hazardous as defined in 29 CFR1910.1200.

OSHA HAZARDOUS INGREDIENTS

	CAS#	EXPOSURE LIMITS 8 hrs. TWA (mg/m ³)		Supplier
		OSHA PEL	ACGIH TLV	
Urea	57-13-6	15 (dust)	---	---

SECTION 3 HEALTH INFORMATION & PROTECTION

EMERGENCY OVERVIEW:

Granular white pellets.
Can be be irritating to skin and eyes.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT:

Irritating to the eyes on contact only.

SKIN CONTACT:

Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition.

INHALATION:

Inhalation of powder may cause irritation to the respiratory tract.

INGESTION:

Ingestion may cause irritation to the digestive tract and diarrhea.

FIRST AID MEASURES:

EYE CONTACT:

Flush eyes with large amounts of water. See physician immediately.

SKIN CONTACT:

Flush skin with large amounts of water. Remove contaminated clothing and launder before reuse. If skin irritation develops or persists, consult physician.

INHALATION:

Remove person to fresh air. Administer oxygen or artificial respiration as needed. Call a physician immediately.

INGESTION:

If swallowed, give plenty of water or milk. Call a physician immediately.

WORKPLACE EXPOSURE CONTROLS:

PERSONAL PROTECTION:

Safety glasses are recommended for all workplace conditions. Rubber gloves are recommended.

VENTILATION:

None needed under normal use conditions. If dust is present, a dust mask or particle respirator is recommended. After

SECTION 4 FIRE & EXPLOSION HAZARDS

FLASH POINT: None

FLAMMABLE LIMITS: Not applicable

AUTOIGNITION TEMPERATURE: Not applicable

GENERAL HAZARD:

Wet product is slippery.

FIRE FIGHTING:

Cool containers with water.

HAZARDOUS COMBUSTION PRODUCTS:

Heating above 270°F will cause decomposition to biuret, ammonia, cyanuric acid and nitrogen oxides. Short term exposure to smoke, fumes and gases can lead to irreversible lung injury without early signs and symptoms.

SECTION 5 SPILL CONTROL MEASURES

LAND SPILL:

Sweep up powdered material. Put all material into proper waste disposal container with lid tightly covered. Rinse area with plenty of water.

WATER SPILL:

Product is a powder and will dissolve in water. Undissolved powder should be recovered if possible. Localized high concentration of product may cause fish kills, but no persistent or long term effects will result. Check with local environmental regulatory agencies for reporting requirements.

SECTION 6 HANDLING & STORAGE

STORAGE TEMPERATURE, °F: ambient. DO NOT STORE ABOVE 120° F.

GENERAL: Do not store near strong acids.

SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT, °F:

not applicable

EVAPORATION RATE, Acetone = 1:

not applicable

SOLUBILITY IN WATER:

soluble

SPECIFIC GRAVITY at 75°F:

1.335

ODOR AND APPEARANCE:

Granular white pellets, may have odor of ammonia

VAPOR PRESSURE, mm Hg at 20°C:

not applicable

VAPOR DENSITY (Air = 1):

not applicable

WT% ORGANIC VOLATILES:

not applicable

pH:

not applicable

SECTION 8 REACTIVITY DATA

GENERAL:

This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Forms an explosive salt with nitric acid. Reacts violently with gallium perchlorate. Incompatible with sodium nitrite, phosphorus pentachloride, and nitrosyl perchlorate. Corrosive to carbon steel, copper, and copper alloys.

SECTION 9 REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):**PROPER SHIPPING NAME:**

NONHAZARDOUS (nonregulated) MATERIAL

HAZARD CLASS: none

IDENTIFICATION NUMBER: none

PACKING GROUP: none

LABEL: not required

FLASH POINT: not applicable

pH: not applicable

TSCA: The ingredients in this product are listed on the TSCA inventory.

CERCLA:

This product contains no reportable CERCLA materials. Contact local authorities to determine if there may be other local reporting requirements.

RCRA HAZARD CLASS:

Nonhazardous waste

SARA TITLE III:

311/312 HAZARD CATEGORIES:
Acute health

313 REPORTABLE INGREDIENTS:
None

NEW JERSEY RIGHT-TO-KNOW INFORMATION:

This product contains urea (CAS# 57-13-6).

CALIFORNIA PROPOSITION 65 INFORMATION:

This product does not contain any chemicals recognized by the state of California to cause cancer and/or birth defects or reproductive harm.

SCAQMD INFORMATION:

Is there a photochemically reactive material present? No
What is the % by volume of photochemically reactive material? 0
What is the VOC content? 0
What is the vapor pressure of VOC's? 0

SECTION 10 NOTES

HAZARD RATING SYSTEMS:

	HMIS	NFPA
HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	0	0

KEY
4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

REVISION SUMMARY:

Change in header

SUPERSEDES ISSUE DATE:

September 5, 2001

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR SALES ENGINEER
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 201-567-3000

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