AERCHEM INC. 320 N. Walnut St.

Bloomington, IN 47404

Tel:	812.334.9996	Fax:	812.334.1960	Emergency:	800.424.9300	
Prod	ctive Date: luct Name: nical Formula: No.:	6/1/97 Urea CO(NH2 57-13-				- Haz
ardo	us Ingredients: NOT APPLIC					-
Phys	Boiling point: Specific Grav pH (depends Solubility in v	N/A vity (Wate on quality vater: so ical Form: ire: N/A	r):	ueous solution) @ 68°F	shape with slight ammo	onia odor
	Special fire a	NONE In tempera In media to Ithat is Ithat is Ind explos Ithat is	ture: NONE be recommended suitable for surrou o be avoided: NO ions precautions: short term exposui without early signs	inding fire. Mate NE Heating above 2 re to smoke and s and symptoms	tandard agents are accerial itself burns with diff 70°F decomposes to bit gases may lead to Note: Feed grade	iculty.
Read	ctivity Data:	Stabl	eXX	Uns	able	_
			Ammonia, Cyanu WILL NOT OCCU		Nitrogen Oxides, Carbo	n Oxides
Inco	mpatibilities (M Strong oxidiz nitrogen tetra	ers, acids		. Reacts with so	dium or calcium hypoch	nlorite to form explosive
venti	lated area away	l away fro from heat		on, and incompa	osed containers in cool, tibles. Avoid contami	dry, isolated, well ination with other "look
Lea	ık/Spill Informa Sweep up, w		with water. If unc	ontaminated, red	cover and reuse as prod	uct.
Disp	•	accordan	ce with federal, st or waterways and		linances. Prevent large	quantities from

Health Hazard Information:

A. Exposure/Health Effects

Total nuisance dust: 15mg/m3

Permitted exposure limit: 5mg/m3 Responsible TLV: 10mg/m3

Exposure may lead to irritation of respiratory tract and eyes; reddening, itching, and inflammation of skin; and may cause nausea, vomiting, and diarrhea when ingested.

B. ROUTES OF ENTRY:

Inhalation: YES

Ingestion: YES

Skin Contact: YES Eye Contact: YES

C. Toxicity Data

Since urea is a fertilizer, it may promote eutrophication in waterways- low order aquatic toxity

Occupational Control Measures:

Ventilation Systems: Provide local or general ventilation to keep nuisance dust limit of

15mg/m3. MECHANICAL (GENERAL) RESPIRATOR RECOMMENDED

Skin Protection: RUBBER GLOVES

Eye Protection: safety glasses or Chemical goggles; don't wear contacts when working with

substance

Special Protection: eye wash station, protective clothing

First Aid:

Eyes: Promptly flush with water, continuing for 15 minutes.

Eyelids should be held away from the eyeball to ensure thorough

rinsing. If irritaion persists, consult a physician immediately

Skin: Wash area with soap and water. For contact with molten

product, do not remove clothing, flush skin with cold water.

Launder clothing before reuse.

Inhalation: Remove affected person from source of exposure. If not

breathing, ensure open airway and initiate CPR. If breathing is difficult,

administer oxygen if available. Get medical attention.

Ingestion: Do not induce vomiting. Keep affected person warm and treat

for shock. Get medical attention. As single dose of 100 g has reportedly caused mild symptoms of central nervous system

depression (drowsiness, etc)