

MATERIAL SAFETY DATA SHEET

UNITED SUPPLIERS, INC. BOX 538 ELDORA, IA 50627 800-782-5123

24 Hour Emergency Assistance CHEMTREC 1-800-424-9300

I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AMS20-10
PRODUCT CODE: 42A49520
PRODUCT CLASS: Dry water soluble spray adjuvant for
Glyphosates & residual herbicide combinations
Date Prepared: 12/6/2004
Prepared by: Safety Department

HMIS Codes

Fire	0
Health	1
Reactivity	0
Protection	x

II - COMPOSITION/HAZARDOUS INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200)

INGREDIENT - ND
PERCENT % - ND

OCCUPATIONAL EXPOSURE LIMIT

OSHA PEL Nuisance Dust 15mg/m3
ACGIH TLV Nuisance Dust 10mg/m3

III - HEALTH HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Eyes:
Moderately irritating

Skin:
Mildly irritating

Medical Conditions Aggravated: No data available
Routes of Entry: Eye, skin, inhalation, ingestion
Target Organs: No data

Ingestion:
May cause considerable gastric upset, ulceration or hemorrhage of the
G.I. Tract and diarrhea. Systemic ammonia poisoning is possible if
sufficient absorption occurs.

Inhalation:
May cause irritation

IV - FIRST AID

Eyes:
Hold eyelids open and flush with a steady, gentle
stream of water for at least 15 minutes. Seek medical
attention.

Skin:
In case of contact, immediately wash with plenty of
soap and water for at least 5 minutes. Seek medical
attention. Remove contaminated clothing and shoes.
Clean contaminated clothing and shoes before re-use.

Inhalation:
Inhalation is not an expected route of exposure. If
respiratory irritation or distress occurs remove victim
to fresh air. Seek medical attention if respiratory
irritation or distress continues.

Ingestion:
If victim is conscious and alert, give 1 to 2 glasses of water to drink. Do
not give anything by mouth to an unconscious person. Seek medical
attention. Do not leave victim unattended.

Antidotes:
Treat symptomatically.
No specific antidote available.

Note to Physician:
All treatments should be based on observed signs and symptoms of
distress in the patient. Consideration should be given to the possibility
that overexposure to materials other than this product may have
occurred.

V - FIRE-FIGHTING MEASURES

Flashpoint: Difficult to burn or continue burning
Method: NA

Flammable Limits: NA
Autoignition Temperature: NA
OSHA Flammability Class: NA

Extinguishing Media: Water fog, foam, CO2
or dry chemical

Explosion Hazard: Dust suspended in air creates explosion hazard.
When heated to decomposition; hydrogen cyanide, carbon monoxide and
ammonia may be emitted.

Fire Fighting Equipment: Firefighters should wear NIOSH/MSHA
approved self-contained breathing apparatus and full protective clothing.

Fire Fighting Procedures: Special procedures should not be necessary.

VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Spill: Sweep, vacuum, or absorb with an inert absorbent for collection in an approved recovery drum for disposal. Wash area with water.
Collect wash water for disposal. Always follow Federal, State and Local regulations regarding waste disposal.

VII - HANDLING AND STORAGE

MINIMUM STORAGE TEMPERATURES: No data**MAXIMUM STORAGE TEMPERATURES:** No data**Handling:** Avoid breathing vapors and mists. Avoid prolonged contact with skin and eyes.**Storage:** Store in tightly closed original labeled containers. Store in a dry, well ventilated area away from ignition sources and incompatible materials.

VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL HYGIENE IS AN IMPORTANT EXPOSURE CONTROL MEASURE.**THE FOLLOWING GENERAL MEASURES SHOULD BE TAKEN WHEN WORKING OR HANDLING THIS MATERIAL.****Personal Protection**

These recommendations provide general guidelines for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application.

Skin

Skin contact should be minimized through the use of gloves and suitable long-sleeved clothing (i.e., shirts and pants)

Respiratory

Use NIOSH/MSHA approved respirator when exposure limits have been exceeded or are expected.

Eyes and Face

The use of chemical safety glasses with side shields or splash proof goggles when using this product is recommended. An emergency eye wash and safety shower should be accessible to the work area.

Work Hygienic Practices

- 1) Do not store, use, and/or consume foods, beverages, tobacco products or cosmetics in areas where this material is stored.
- 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- 3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

IX - PHYSICAL AND CHEMICAL PROPERTIES

Odor: slight chemical
Appearance: free flowing granule
Color: white
pH: ND
Solubility in Water: soluble

Density: 52 - 57 lb/ft³
Particle Size: ND
Specific Gravity: NA
Viscosity: NA

X - STABILITY AND REACTIVITY

Stable: Yes
Conditions to Avoid: Heat, open flame, spark
Hazardous Polymerization: Will not occur
Hazardous Decomposition: Temperatures above 282 C causes release of ammonia and sulfur trioxide.
Incompatible Materials: Strong oxidizers, bases, chlorates, nitrates

XI - TOXICOLOGICAL INFORMATION

Acute Oral: Not established
Acute Dermal: Not established
Eye Irritation: Not established
Skin Irritation: Not established

XII - DISPOSAL CONSIDERATIONS

Empty Container: Since empty packaging contain residues of the product, all labeled hazard precautions should be observed. Always follow Federal, State and Local regulations regarding waste disposal.

XIII - TRANSPORTATION INFORMATION

DOT

REFER TO BILL OF LADING FOR CURRENT SHIPPING INFORMATION.

XIV - REGULATORY INFORMATION

SARA TITLE III (Superfund Amendments and Reauthorization Act)

302/311/312 Hazard Categories: 302-Acrylamide (impurity) >0.1%

304 CERCLA/313 Reportable Ingredients: 313-Sulfuric acid diammonium <100% 304-Acrylamide (impurity >0.1%)

TSCA Status: All chemical substances in this product are listed in the TSCA inventory.

XV - OTHER INFORMATION

THE INFORMATION IN THIS MSDS IS GIVEN IN GOOD FAITH BASED ON OUR EXPERIENCE AND DATA PRESENTED IN VARIOUS TECHNICAL PUBLICATIONS. IT IS THE USERS RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF SAFETY PRECAUTIONS AS MAY BE NECESSARY. THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OF ANY KIND.