AGRIPACIFIC™

MATERIAL SAFETY DATA SHEET

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SUPERCEDES: 12/31/00

I. PRODUCT IDENTIFICATION

Product: Agri Pacific Granular Fertilizer **Chemical Family:** Fertilizer Mixture
Chemical Name/Synonyms: Granular fertilizers including all chemical, partially sulfur coated, 100 percent sulfur coated nutrients with and without micronutrients.

II. PRODUCT INFORMATION: INGREDIENTS

Chemical Name	TLV/TWA	%(by wt.)	CAS#
Formulated with one or more of the following ingredients.	Check specific product label.		
Urea	10 mg/M³ (dust) 5 mg/M³ (resp)	0-98	57-13-6
Potassium Chloride	10 mg/M³	0-95	7447-40-7
Potassium Sulfate	10 mg/M³	0-95	7778-80-5
Monoammonium Phosphate	15 mg/ M³ (dust) 5 mg/M³ TLV	0-95	7722-76-1
Diammonium Phosphate	15 mg/ M³ (dust) 5 mg/M³ (resp)	0-95	7783-28-0
Ammonium Sulfate	15 mg/ M³ (dust)	0-95	7783-20-2
Calcium Carbonate	ND	0-95	471-34-1
Sulfur	5 ppm (SO_2)	0-20	7704-34-9
Iron (Ferric) Oxide	15 mg/ M³ (dust)	0-10	1309-37-1
Iron (Ferrous) Sulfate	15 mg/ M³ (dust)	0-10	7720-78-7
Manganese Oxide	15 mg/ M³ (dust)	0-10	1317-35-7
Magnesium Sulfate	15 mg/ M³ (dust)	0-10	7487-88-9
Urea Formaldehyde		0-10	9011-05-6
Sulfate of Potash-Magnesia		0-10	14977-37-8
Magnesium Carbonate		0-10	39408-82-0
Biosolids		0-10	ND

TLV of all chemicals and mixtures is 15 mg/M³; is 10 mg/M³; Respirable dust TLV of 5 mg/M³; unless otherwise indicated.

III. PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point:	NA	**Specific Gravity (water=1):**	NA
Melting Point:	NA	**Bulk Density (lbs./cu. ft):**	45-65
Vapor Pressure (mm Hg):	NA	**Evaporation Rate:**	NA
Vapor Density (air # 1)	NA	**Percent Volatile:**	NA
Solubility in Water:	Moderate	**Appearance and Odor:**	Multicolored granules-Slight pungent odor.

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method Used):	NA (non combustible)	**Auto Ignition Temperature:**	NA
Lower Explosion Limits:	NA	**Upper Explosion Limits:**	NA
NFPA/HMIS RATING:	**HEALTH** 1	**FIRE** 1	**REACTIVITY** 0
Extinguishing Media:	! Foam	! Alcohol Foam	! Dry Chemical
	[X] Water Spray	! Other	! CO_2

Special Fire-Fighting Procedures: Wear NIOSH approved positive pressure, self-contained breathing apparatus. Do not breathe fumes. Remove from area of fire at first opportunity. Prevent water runoff from entering drains, sewers or water sources. Fertilizer will become slippery when wet. Guard against falls.

Unusual Fire and Explosion Hazards: If heated to decomposition, will give off toxic fumes of ammonia and formaldehyde. Under fire conditions, urea may decompose to cyanuric acid, biuret or ammonia. Dispersion of fine dust in the air may form an explosive mixture.

V. HEALTH HAZARDS

Primary Route (s) of Entry: Skin, inhalation, ingestion, eyes.

Signs & Symptoms of Exposure

Acute: May cause mild irritation to skin and eyes. Ingestion of large amounts may cause gastrointestinal disorder, nausea, vomiting and/or diarrhea.

Emergency First-Aid Procedures

Eyes: Flush with clear water for at least 15 minutes. Get Medical attention if irritation persists.

Skin: Remove contaminated clothing and wash affected area with soap and water.

Inhalation: Remove to fresh air.

Ingestion: Drink warm water and induce vomiting by touching back of throat with finger. Consult a physician.

Toxicity Information:

Oral LD_{50} (acute rat) > 10,000 mg/kg

Inhalation: LC_{50} NA; expected to have low or no toxicity. **Eye Irritation:** Mild

Skin Irritation: Mild

Positive Teratogen or Mutagen Carcinogen (NTP): No Potential Carcinogen (IARC or OSHA): No

VI. REACTIVITY

Stability:	[X] Stable	[ ] Unstable
Conditions to avoid:	None known	
Incompatibility:	Strong acids, caustic compounds, humid-wet conditions.	
Hazardous Decomposition Products:	If heated to decomposition, may give off ammonia and formaldehyde as well as oxides of sulfur, manganese, magnesium, iron, potassium and phosphorus. Urea can yield cyanuric acid or biuret upon heating.	
Hazardous Polymerization:	[X] Will not occur	[ ] Will occur

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

If Material is spilled: If Material is not contaminated, scoop into clean container for use. If contaminated, scoop into containers for disposal.

Waste Disposal Method: Dispose according to Federal EPA procedures as outlined in the Resource Conservation Recovery Act (RCRA) and follow state and local guidelines. Be sure that containers are completely empty before disposal.

VIII. SPECIAL PROTECTION INFORMATION

Protective Equipment Suggested for Outdoor Application:
[X] **Impervious Gloves** [ ] **Dust Mask** [ ] **Respirator (use NIOSH/MSHA approved)**
[X] **Impervious Boots** [X] **Clean Clothing** [X] **Eye Goggles/ Safety Glasses**
Protective Equipment Suggested for Confined Areas:
[X] **Sufficient Ventilation** [ ] **Respirator (use NIOSH/MSHA approved)** [X] **Dust Mask**
[X] **Splash Goggles/ Safety Glasses**
[X] **Eyewash Station** [X] **Emergency Shower** [ ] **Impervious Apron**

IX. STORAGE AND HANDLING

Precautions: Store in a cool, dry place if possible. Separate from pesticides, seed, feed, foodstuffs, and away from drains, sewers, and water sources. Do not eat, drink or smoke while handling this product.
Other Precautions: Keep out of reach of children. Practice good care and good safety precautions when handling this product. Avoid contact with eye, skin and clothing. Avoid breathing dust. Do not swallow. Wash thoroughly after handling.

X. FEDERAL REGULATORY INFORMATION

SARA TITLE III; SEC. 311/312 HAZARD CATEGORIES

Y **Immediate (Acute) Health**	**SEC 302: NA**
N **Delayed (Chronic) Health**	**SEC 304: NA**
N **Fire**	**SEC 313: NA**
N **Sudden Release of Pressure**	**CERCLA RQ: NA**
N **Reactivity**	**CAA RQ: NA**

EPA Reg. No.: NA

HM 181 Shipping Name: Not Regulated

NA=Not Applicable ND=Not Determined

Preparation and distribution of this Material Safety Data Sheet done by AGRI PACIFIC, INC., 9960 Indiana Ave. #12 Riverside, CA. 92503-3153 pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

For further information, contact: **AGRI PACIFIC, INC.,** 9960 Indiana Ave. #12 Riverside, CA. 92503 or (909) 343-2100