All Purpose Fertilizer



100

Section 1

Product Description

Product Name: All Purpose Fertilizer

Recommended Use: Science education applications

Synonyms: 20-20-20 Fertilizer

Distributor: Carolina Biological Supply Company

2700 York Road, Burlington, NC 27215

1-800-227-1150

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)

Chemtrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2

Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;





Harmful if swallowed or if inhaled.

GHS Classification:

Acute Toxicity - Inhalation Dust / Mist Category 4, Acute Toxicity - Oral Category 4

Section 3

Composition / Information on Ingredients

<u>#_</u>
3-6
-79-1
-77-0
5-12-2
3-35-3
5-15-1
5-84-5
8-41-5
5-21-9
7-67-7

Section 4

First Aid Measures

Emergency and First Aid Procedures

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. **Eyes:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: After contact with skin, wash immediately with plenty of water.

Ingestion: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Section 5

Firefighting Procedures

Extinguishing Media: Water spray.

Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained

breathing apparatus.

Fire and/or Explosion Hazards: Avoid Dusting. May become explosive when dispersed in air. Fire or excessive heat may

produce hazardous decomposition products. Substance is an oxidizer.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide, Copper compounds, Phosphorus compounds,

Potassium Oxide, Zinc Oxides

Section 6

Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Ventilate the contaminated area. Isolate area. Keep unnecessary personnel away.

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Do not flush spill to drain. Gather and store in a sealed container pending a waste disposal evaluation. Do not allow the spilled product to enter public drainage system or open waterways.

Section 7

Handling and Storage

Handling: Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do no eat, drink or smoke

when using this product. Use only outdoors or in a well-ventilated area. Do not breathe dust/vapor. Do not get in

eves, on skin, or on clothing. Retained residue may make empty containers hazardous; use caution.

Storage: Keep container tightly closed in a cool, well-ventilated place.

Storage Code: Green - general chemical storage

Section 8

Protection Information

ACGIH OSHA PEL Chemical Name (TWA) (TWA) (STEL) (STEL) Ammonium Molybdate 5mg(Mo)/m3 N/A 5mg(Mo)/m3 N/A (Ammonium (Ammonium Molybdate) Molybdate)

Control Parameters

Engineering Measures: No exposure limits exist for the constituents of this product. General room ventilation

might be required to maintain operator comfort under normal conditions of use.

Personal Protective Equipment (PPE): Lab coat, apron, eye wash, safety shower.

Respiratory Protection: No respiratory protection required under normal conditions of use.

Eye Protection: Wear chemical splash goggles when handling this product. Have an eye wash station

availab

Skin Protection: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective

equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving

work.

Gloves: Natural latex,, Natural rubber, Neoprene, Nitrile, Polyvinyl chloride

Section 9

Physical Data

Formula: See Section 3 Molecular Weight: N/A Appearance: Blue Powder Odor: No data available

Odor Threshold: No data available

pH: No data available

Melting Point: No data available Boiling Point: No data available Flash Point: No data available Flammable Limits in Air: N/A N/A Vapor Pressure: N/A

Evaporation Rate (BuAc=1): N/A Vapor Density (Air=1): N/A Specific Gravity: 45.1-47.2 lbs/ft3 Solubility in Water: Soluble

Log Pow (calculated): No data available
Autoignition Temperature: No data available
Decomposition Temperature: No data available

Viscosity: No data available Percent Volatile by Volume: N/A

Section 10 Reactivity Data

Reactivity: No data available

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: None known. Moisture (will lead to product performance degradation) Elevated

temperatures

Incompatible Materials: Acids, Strong oxidizing agents, Strong reducing agents, Alkalis,

Hazardous Decomposition Products: Zinc Oxides, Potassium Oxide, Phosphorus compounds, Copper compounds, Carbon

dioxide. Carbon monoxide

Hazardous Polymerization: Will not occur

Section 11 Toxicity Data

Routes of Entry Inhalation and ingestion.

Symptoms (Acute): No chronic effects data found.

Delayed Effects: No data available

Acute Toxicity:

Chemical Name
CAS Number
Oral LD50
No data available

57-13-6
Not determined

7757-79-1
7778-77-0
15245-12-2

Dermal LD50
Not determined
Not determined
Not determined

10043-35-3 14025-15-1 15375-84-5 15708-41-5 14025-21-9 12027-67-7

Carcinogenicity:

Chemical NameCAS NumberIARCNTPOSHANo data available57-13-6Not listedNot listedNot listed

No data available 57-13-6 7757-79-1 7778-77-0 15245-12-2 10043-35-3 14025-15-1

14025-15-1 15375-84-5 15708-41-5 14025-21-9 12027-67-7

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.

Teratogenicity: No evidence of a teratogenic effect (birth defect).

Sensitization: No evidence of a sensitization effect.
Reproductive: No evidence of negative reproductive effects.

Target Organ Effects:

Acute: See Section 2

Chronic: To the best of our knowledge, the toxicological properties of this mixture have not been thoroughly

evaluated.

Section 12 Ecological Data

Overview: This material is not expected to be harmful to the ecology.

Mobility:No dataPersistence:No dataBioaccumulation:No dataDegradability:No dataOther Adverse Effects:No data

Chemical Name CAS Number Eco Toxicity N/A 57-13-6 7757-79-1 7778-77-0 15245-12-2 10043-35-3 14025-15-1 15375-84-5 15708-41-5 14025-21-9 12027-67-7

Section 13 Disposal Information

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always

contact a permitted waste disposer (TSD) to assure compliance.

Not Determined Waste Disposal Code(s):

Section 14 Transport Information

Ground - DOT Proper Shipping Name: Air - IATA Proper Shipping Name: N/ANot regulated for air transport by DOT. Not regulated for air transport by IATA.

Section 15 Regulatory Information

TSCA Status: A component (or components) of this product is not listed on the TSCA Inventory of

Existing Chemical Substances. Product is for research and development use only.

Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
No data available	57-13-6 7757-79-1 7778-77-0 15245-12-2 10043-35-3 14025-15-1 15375-84-5 15708-41-5 14025-21-9 12027-67-7	No	No	No	No	No

Section 16 Additional Information

Replaces: 08/28/2015 Revised: 09/09/2015 Printed: 10-29-2015

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists	NTP OSHA	National Toxicology Program Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health