Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification				
1.1. Identification				
Product form	: Mixt			
Product name		t Ammonium Sulfate 21-0-0		
Product code	: M74	1042		
1.2. Recommended use and restriction	s on use			
No additional information available				
1.3. Supplier				
JR Simplot Company				
P.O. Box 70013				
Boise, ID 83707				
T 1-208-336-2110				
1.4. Emergency telephone number				
Emergency number	: CHE	EMTREC 1-800-424-9300		
SECTION 2: Hazard(s) identification				
2.1. Classification of the substance or				
	Inixture			
GHS-US classification				
Not classified				
2.2. GHS Label elements, including pre	cautiona	ary statements		
GHS-US labelling				
No labelling applicable				
2.3. Other hazards which do not result	in classi	fication		
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	on on i	ngredients		
3.1. Substance				
Not applicable				
3.2. Mixture				
Name		Product identifier	%	GHS-US classification
ammonium sulfate (7783-20-2)		(CAS No) 7783-20-2		Not classified
Anti-caking agent				Not classified
Full text of hazard classes and H-statements : s	ee sectio	on 16		
SECTION 4: First-aid measures				
4.1. Description of first aid measures				
First-aid measures general		rer give anything by mouth to an un ice (show the label where possible)		on. If you feel unwell, seek medical
First-aid measures after inhalation	: Ren	· · · · · · · · · · · · · · · · · · ·		breathing. Allow breathing of fresh air.
First-aid measures after skin contact	: Ren			area with mild soap and water, followed
First-aid measures after eye contact	: Rins		Obtain medica	al attention if pain, blinking or redness
	pore			

: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison

First-aid measures after ingestion

center or a doctor if you feel unwell.

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.2. Most important symptoms and effe	ects (acute and delayed)
Potential adverse human health effects and ymptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.
.3. Immediate medical attention and s	pecial treatment, if necessary
reat symptomatically.	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguis	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Insuitable extinguishing media	: Do not use a heavy water stream.
.2. Specific hazards arising from the o	chemical
Reactivity	: Stable.
.3. Special protective equipment and	precautions for fire-fighters
irefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release mea	asures
.1. Personal precautions, protective e	quipment and emergency procedures
5.1.1. For non-emergency personnel	
mergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel.
.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
mergency procedures	: Ventilate area.
.2. Environmental precautions	
	y to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
.3. Methods and material for containm	pent and cleaning up
lethods for cleaning up	: Recover mechanically the product. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
Other information	: Dispose of materials or solid residues at an authorized site.
.4. Reference to other sections	
	al protection. For further information refer to section 13.
SECTION 7: Handling and storage	
SECTION 7: Handling and storage	

Precautions for safe handling	Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includ	ling any incompatibilities
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection
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8.1. Control parameters

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Anti-caking agent	
Not applicable	
ammonium sulfate (7783-20-2) (7783-20-2)	
Not applicable	
8.2. Appropriate engineering controls	
Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment.
8.3. Individual protection measures/Pe	rsonal protective equipment
Personal protective equipment:	
Avoid all unnecessary exposure.	
Hand protection:	
Wear protective gloves	

Eye protection:

Chemical goggles or safety glasses. Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical	properties
9.1. Information on basic physical and o	hemical properties
Physical state	: Solid
Appearance	: Crystals.
Colour	: White to off-white
Odour	 There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour(s): Odourless
Odour threshold	: No data available
рН	: No data available
pH solution	: 5.5 - 6 10 g/90 g H2O
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Not applicable
Density	: 1057 - 1105 kg/m³
Solubility	: 70g/100g H20 cold; 100g/100g h2O hot.
Log Pow	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: 235 °C
Viscosity, kinematic	: Not applicable
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Viscosity, dynamic	: No data available	
Explosive limits	: Not applicable	
Explosive properties	: No data available	
Oxidising properties	: No data available	
9.2. Other information		
No additional information available		
SECTION 10: Stability and reactive	vity	
10.1. Reactivity		
Stable.		
10.2. Chemical stability		
Stable.		
10.3. Possibility of hazardous reaction	ns	
Not established.		
10.4. Conditions to avoid		
Direct sunlight. Extremely high or low temper	ratures.	
10.5. Incompatible materials		
Oxidizers. Strong acids. Strong bases.		
10.6. Hazardous decomposition produced	ucts	
fume. Carbon monoxide. Carbon dioxide.		
SECTION 11: Toxicological inform	nation	

11.1. Information on toxicological effects

Acute toxicity

: Not classified

ammonium sulfate (7783-20-2) (7783-20-2)	
LD50 oral rat	2840 mg/kg (Rat)
LD50 dermal rat	> 2000 mg/kg
ATE US (oral)	2840 mg/kg bodyweight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
ammonium sulfate (7783-20-2) (7783-20-2)	
LC50 fish 1	126 mg/l (96 h; Poecilia reticulata)
EC50 Daphnia 1	202 mg/l (96 h; Daphnia magna)

250 - 480 mg/l (96 h; Brachydanio rerio)

LC50 fish 2

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GWPmix comment : No known effects from this product. Other information : Avoid release to the environment.	
Other information : Avoid release to the environment.	
SECTION 13: Disposal considerations	
3.1. Disposal methods	
Vaste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting inst	ructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.	
Ecology - waste materials : Avoid release to the environment.	
SECTION 14: Transport information	
Jonartment of Transportation (DOT)	
Department of Transportation (DOT) n accordance with DOT	
Other information : No supplementary information available.	
TDG	
ransport by sea	
Air transport	
SECTION 15: Regulatory information	
5.1. US Federal regulations	
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:	

Anti-caking agent

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15.2. International regulations

CANADA No additional information available

EU-Regulations No additional information available

National regulations No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

Other information

: None.

SDS US (GHS HazCom 2012)

Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.