

LAB ALLEY Ferrous Ammonium Sulfate, 0.00282N (0.00282M)

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/12/2013 Version: 1.0

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	lon of the substanc	e/mixture and of the com	ipany/undertaking	9
1.1. Product identifier				
Product form	: Mix			
Product name	: Fer	rous Ammonium Sulfate, 0.00282	2N (0.00282M)	
Product code	: C3	903		
1.2. Relevant identified	l uses of the substance of	or mixture and uses advised ag	ainst	
Use of the substance/mixture	: For	laboratory and manufacturing us	e only.	
1.3. Details of the sup	lier of the safety data sh	eet		
Lab Allev LLC				
22111 Highway 71 West, Suit Spicewood, Texas 78669 Tel.: 512-668-9918	e 601			
www.laballey.com				
1.4. Emergency teleph	one number			
Emergency number		Trac: 800-535-5053		
SECTION 2: Hazards i	dentification			
2.1. Classification of the	e substance or mixture			
GHS-US classification				
Not classified				
2.2. Label elements				
GHS-US labelling				
No labelling applicable				
2.3. Other hazards				
Other hazards not contributing	to the : Nor			
classification		ic.		
2.4. Unknown acute to	xicity (GHS-US)			
No data available				
SECTION 3: Composit	ion/information on i	naredients		
3.1. Substance		ngreatents		
Not applicable				
Full text of H-phrases: see se	ation 16			
i uli lext of h-philases. see se				
3.2. Mixture				
Name		Product identifier	%	GHS-US classification
Water		(CAS No) 7732-18-5	99.86	Not classified
Ferrous Ammonium Sulfate Hex	ahydrate	(CAS No) 7783-85-9	0.11	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Sulfuric Acid, 96% w/w		(CAS No) 7664-93-9	0.03	Skin Corr. 1A, H314
				Eye Dam. 1, H318
SECTION 4: First aid r	neasures			
4.1. Description of firs	t aid measures			
First-aid measures general		ver give anything by mouth to an pow the label where possible).	unconscious person. If	you feel unwell, seek medical advice
First-aid measures after inhal	ation : Ass	ure fresh air breathing. Allow the	victim to rest.	
First-aid measures after skin o	contact : Rer	-		vith mild soap and water, followed by
First-aid measures after eye o		se immediately with plenty of wat sist.	er. Obtain medical atte	ntion if pain, blinking or redness
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Eirot aid maggurog after inggati	
First-aid measures after ingesti	tion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
I.2. Most important sym	nptoms and effects, both acute and delayed
Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.
ymptoms/injuries after ingestion	ion : Nausea. Vomiting. Diarrhoea.
.3. Indication of any im	nmediate medical attention and special treatment needed
btain medical assistance.	
SECTION 5: Firefighting	g measures
5.1. Extinguishing medi	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Jnsuitable extinguishing media	a . Do not use a heavy water stream.
5.2. Special hazards aris	ising from the substance or mixture
Fire hazard	: Not flammable.
Explosion hazard	: Not applicable.
5.3. Advice for firefighte	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any
	chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental	l release measures
	ins, protective equipment and emergency procedures
5.1.1. For non-emergency	
Protective equipment	: Safety glasses. Gloves.
mergency procedures	: Evacuate unnecessary personnel.
5.1.2. For emergency resp	ponders
Protective equipment	: Equip cleanup crew with proper protection.
mergency procedures	: Ventilate area.
6.2. Environmental prec	cautions
Prevent entry to sewers and put	ublic waters. Notify authorities if liquid enters sewers or public waters.
6.3. Methods and materi	rial for containment and cleaning up
	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect
	spillage. Store away from other materials.
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Methods for cleaning up A. Reference to other s See Heading 8. Exposure contr	sections trols and personal protection.
Methods for cleaning up 6.4. Reference to other so See Heading 8. Exposure contri SECTION 7: Handling a	sections trols and personal protection. and storage
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Sulfuric Acid, 96% w/w (7664	1-93-9)		
USA ACGIH	ACGIH TWA (mg/m ³)	0.2 mg/m ³	
USA OSHA	OSHA PEL (TWA) (mg/m ³)	1 mg/m³	
3.2. Exposure controls			
Appropriate engineering controls	s : Emergency eye was of any potential exp	sh fountains and safety showers should be available in the immediate posure.	e vicinity
Personal protective equipment	: Avoid all unnecessa	ary exposure.	
Hand protection	: Wear protective glo	ives.	
Eye protection	: Chemical goggles o	or safety glasses.	
Respiratory protection	: Wear appropriate m	ıask.	
Other information	: Do not eat, drink or	smoke during use.	
SECTION 9: Physical an	d chemical properties		
9.1. Information on basic	physical and chemical properties		
Physical state	: Liquid		
Appearance	: light green.		
Colour	: Green.		
Odour	: Odourless.		
Odour threshold	: No data available		
pH	: No data available		
Relative evaporation rate (butyla	acetate=1) : No data available		
Melting point	: No data available		
Freezing point	: No data available		
Boiling point	: No data available		
Flash point	: No data available		
Self ignition temperature	: No data available		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: No data available		
Vapour pressure	: No data available		
Relative vapour density at 20 °C	: No data available		
Relative density	: No data available		
Solubility	: Soluble in water.		
Log Pow	: No data available		
Log Kow	: No data available		
√iscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosive properties	: Not applicable.		
Oxidising properties	: None.		
Explosive limits	: No data available		
9.2. Other information			
No additional information availal	ble		

SECTION	ON 10: Stability and reactivity
10.1.	Reactivity
No additi	onal information available
10.2.	Chemical stability
Stable ur	nder normal conditions.
10.3.	Possibility of hazardous reactions
Not estat	blished.
10.4.	Conditions to avoid

Incompatible materials. Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials			
Strong oxidizers. Strong bases.			
10.6. Hazardous decomposition products			
Gaseous ammonia. Sulfur compounds.			
•			
SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
cute toxicity : Not classified			
Ferrous Ammonium Sulfate Hexahydrate (7783-85-9)			
LD50 oral rat	3250 mg/kg		
Sulfuric Acid, 96% w/w (7664-93-9)			
LD50 oral rat	2140 mg/kg bodyweight (Rat; Experimental value,Rat; Experimental value)		
Wotor (7722 19 5)			
Water (7732-18-5)	≥ 90000 mg/kg		
Skin corrosion/irritation	: Not classified		
	: Not classified		
Serious eye damage/irritation Respiratory or skin sensitisation	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Sulfuric Acid, 96% w/w (7664-93-9)			
IARC group	1 - Carcinogenic to humans		
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	: Based on available data, the classification criteria are not met.		
symptoms Symptoms/injuries after ingestion	: Nausea. Vomiting. Diarrhoea.		
SECTION 12: Ecological information			
12.1. Toxicity			
Sulfuric Acid, 96% w/w (7664-93-9)			
LC50 fishes 1	42 mg/l (96 h; Gambusia affinis)		
EC50 Daphnia 1	29 mg/l (24 h; Daphnia magna)		
LC50 fish 2	49 mg/l (48 h; Lepomis macrochirus)		
TLM fish 1	42 mg/l (96 h; Gambusia affinis)		
Threshold limit other aquatic organisms 1	6900 mg/l (24 h; Pseudomonas fluorescens)		
12.2. Persistence and degradability			
Ferrous Ammonium Sulfate, 0.00282N (0.002	82M)		
Persistence and degradability	Not established.		
Ferrous Ammonium Sulfate Hexahydrate (77	83-85-9)		
Persistence and degradability	Not established.		
Sulfuric Acid, 96% w/w (7664-93-9)	Diadagradability pat applicable		
Persistence and degradability Biochemical oxygen demand (BOD)	Biodegradability: not applicable.		

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Wester (7700-40-7)	
Water (7732-18-5)	Net established
Persistence and degradability	Not established.
12.3. Bioaccumulative potential	
Ferrous Ammonium Sulfate, 0.00282N (0.002	
Bioaccumulative potential	Not established.
Ferrous Ammonium Sulfate Hexahydrate (77	
Bioaccumulative potential	Not established.
Sulfuric Acid, 96% w/w (7664-93-9)	
Log Pow	-2.20 (Estimated value)
Bioaccumulative potential	Bioaccumulation: not applicable.
Water (7732-18-5)	
Bioaccumulative potential	Not established.
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
Other information	: Avoid release to the environment.
SECTION 13: Disposal consideration	S
13.1. Waste treatment methods	
Waste 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	
In accordance with DOT	
No dangerous good in sense of transport regulation	ons
Additional information	
Other information	: No supplementary information available.
ADR	
Transport document description	:
Transport by sea	
No additional information available	
Air transport	
No additional information available	
SECTION 15: Regulatory information	
15.1. US Federal regulations	
Ferrous Ammonium Sulfate Hexahydrate (77	83.85-0)
Listed on the United States TSCA (Toxic Substa	•
RQ (Reportable quantity, section 304 of EPA's	1000 lb
List of Lists) :	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Sulfuric Acid, 96% w/w (7664-93-9)	
Listed on the United States TSCA (Toxic Substa	ances Control Act) inventory
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	1000 lb
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substa	ances Control Act) inventory

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15.2. International regulations

CANADA

Ferrous Ammonium Sulfate, 0.00282N (0.00282M)			
WHMIS Classification Uncontrolled product according to WHMIS classification criteria			
Ferrous Ammonium Sulfate Hexahydrate (7783-85-9)			
Not listed on the Canadian DSL (Domestic Sustances List) inventory.			
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects		
Sulfuric Acid, 96% w/w (7664-93-9)			
Listed on the Canadian DSL (Domestic Sustances List) inventory.			
WHMIS Classification	Class E - Corrosive Material		
Water (7732-18-5)			
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria		

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

Ferrous Ammonium Sulfate Hexahydrate (7783-85-9)		
Not listed on the Canadian Ingredient Disclosure List		
Sulfuric Acid, 96% w/w (7664-93-9)		
Listed on the Canadian Ingredient Disclosure List		

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information

: None.

Full text of H-phrases: see section 16:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation

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NFPA health hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard	: 0 - Materials that will not burn.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 0 Minimal Hazard
Physical	: 0 Minimal Hazard

Personal Protection

SDS US (GHS HazCom 2012)

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