

LAB ALLEY Ferric Ammonium Sulfate, Saturated

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 09/27/2013 Revision date: 06/14/2017 Supersedes: 09/27/2013 Version: 1.1

SECTION 1:1 identification Product nom Product form Product nom Pr			
Product nom i Mixtures Product nome i Case1 Product code i Case1 12. Recommended use and restrictions on use is Case1 Use of the substanceminiture is Port bootstay and manufacturing use only. Recommended use is Laboratory chemicais Restrictions on use is Not for food, drug or household use Lab May LLC Signified Statistications on use is Not for food, drug or household use Lab May LLC Signified Statistication on use is Not for food, drug or household use 14. Emergency telephone number 21. Classification of the substance or mixture GHS-US classification Haffs Causes skin irritation Category 2 Haffs Causes scious eye irritation Categor			
1 Notice Name : Ferric Ammonium Sultate, Saturated Product rame : C3821 2.0 Recommended use and retrictions on use Use of the substance/mixture : Port laboratory of manufacturing use only. Pacture in use : Laboratory of manufacturing use only. Pacture in use : Not for flood, drug or household use 1.1 Supplier Lab Aley LLC : Not for flood, drug or household use 2.1 Recommended use in use in the intervention of the substance or mixture 2.1. Energency telephone number Emergency number : InfoTra: 800-535-5053 Statistication of the substance or mixture Causes skin irritation Catagry 2 Stin corniso/infrintation Stin corniso/infrintation H315 Causes skin irritation Catagry 2 Stin corniso/infrintation H315 Causes skin irritation Catagry 2 OHS Stabeling Hazard pictograms (CHS-US) : Warning Hazard pictograms (CHS-US) : Warning Hazard pictograms (CHS-US) : P24-4 Wash exposed skin irritation Product and statements (CHS-US) : P24-4 Wash exposed skin irritation P320-P322-P32-P320-P32-P320-P320-P320-P3		Mixturee	
Product code : C 3821 12. Recommended use and restrictions on use Use of the substancemixture Use of the substancemixture : For baboratory and manufacturing use only. Recommended use : Laboratory chemicials Restrictions on use : Source of the substance on the substance on the substance on maximum set of the substance on maximum set of the substance on maximum set of the substance on mixture 13. Suppler : InfoTme: 800-535-5053 Striction of the substance on mixture Galaxies set on mixture GHS-US classification H315 Striction of the substance on mixture Galaxies set on substance on mixture GHS-US classification of the substance or mixture Galaxies set on set on substance or mixture GHS-US classification of the substance or mixture Galaxies set on set on substance or mixture GHS-US classification of the substance or mixture Galaxies set on set on substance or mixture GHS-US classification of the substance or mixture Galaxies set on set on set on substance or mixture GHS-US classification of the substance or mixture Galaxies set on set o			
12. Recommended use and restrictions on use Use of the substance/mixture : For laboratory and manufacturing use only. Recommended use :: Laboratory chemicals Recommended use :: Laboratory chemicals Restrictions on use :: Not for food, drug or household use 13. Supplier Laboratory chemicals Lab Alky LLC Emergency lephone number Emergency lephone number Emergency number : Into Trace: 800-535-5053 SECTION 2: Hazard(s) Identification Emergency lephone number 21. Classification of the substance or mixture GHS-US classification Sinc corresion/mixtation Sinc corresion/mixtation H315 Causes serious eye irritation Irritation Category 2A H319 Causes serious eye irritation Ull ext of H stements : ese esteion 16 : : 22. CHS Label elements, including precautionary statements : GHS-US labeling ::::::::::::::::::::::::::::::::::::			
Use of the substance/mixture : For laboratory and manufacturing use only. Recommended use : Laboratory chamicals Recommended use : Not for food, drug or household use 13. Suppler Lab Alley LLC Suite 601 Spiceword, Taxes 78669 Suite 601 Spiceword, Taxes 78669 Interfere Strictions on under the substance or mixture Interfere C1. Emergency telephone number Emergency number : Strictions of the substance or mixture CHS-US classification Strictions of the substance or mixture CHS-US classification Strictions of the substance or mixture CHS-US classification Strictions P2A Full text of H statements : see section 16 2.2. Classes serious eye initiation clatogry 2 Full text of H statements : see section 18 CHS-US clabel elements, including precautionary statements CHS-US clabel selements, including precautionary statements (GHS-US) : : Signal word (GHS-US) : : Signal word (GHS-US) : : : :<		. 03021	
Recommended use : Laboratory chemicals Restrictions on use : Not for food, drug or household use Lab Alley LLC : Supplier Lab Alley LLC : Supplier Lab Alley LLC : Supplier Tui: S12 406 409 18 : Wark and the supplier Tui: S12 406 409 18 : Supplier Tui: S12 406 409 18 : Monton and the supplier Tui: S12 406 409 18 : InfoTrac: 800-535-505 SECTION 2: Hazard(s) Identification Classification of the substance or mixture OffSUS classification Section 2: Classification of the substance or mixture Clauses serious eye irritation Section 3: Clauses skin irritation Section 3: Clauses skin irritation Clauses skin irritation Section 3: Clauses skin irritation Sectin Cla			
Restrictions on use : Not for food, drug or household use 13. Suppler 23111 Hughway, 71 Wegt, Sule 601 23111 Hughway, 71 Wegt, Sule 601 71. Classification of the substance or mixture Section 2: Hazard(s) identification 24. Classification of the substance or mixture Gauses skin irritation Gauses skin irritation Gauses skin irritation Causes skin irritation Causes skin irritation Causes serious eye irritation Interpret to the substance or mixture Office Substance or mixture Office Substance or mixture Causes skin irritation Causes serious eye irritation Interpret to the substance or mixture Office Substance Office Substance or mixture Office Substance or mixture <td colsp<="" td=""><td></td><td></td></td>	<td></td> <td></td>		
1.3. Supplier Lab Alley LLC 22.111 Highing VI Yeeds 23.111 Highing VI Yeeds 24.111 Highing VI Yeeds 25.111 Highing VI Yeeds 26.111 Highing VI Yeeds 27.111 Highing VI Yeeds 28.111 Highing VI Yeeds 29.111 Highing VI Yeeds 21.11 Highing VI Yeeds 22.11 Highing VI Yeeds 23.11 Highing VI Yeeds 24.11 Highing VI Yeeds 25.11 Highing VI Yeeds 26.11 Highing VI Yeeds 27.11 Highing VI Yeeds 28.11 Highing VI Yeeds 29.11 Highing VI Yeeds 29.11 Highing VI Yeeds 29.11 Highing VI Yeeds 20.11 Highin Yee		•	
Lab Aley LLC Split Highway LLC Split Highway LS Split Highway LS <td>Restrictions on use</td> <td>. Not for food, drug of household use</td>	Restrictions on use	. Not for food, drug of household use	
22111 Highway 71 West, Suite 601 With Labely com 1.4. Emergency talephone number Emergency number : InfoTran: 800-535-5653 SECTION 2: Hazards(s) identification 2.1. Classification Skin conscient/ritation in Hasis Series excision Series excision Series excision Series excision State excision Series excision 16 Series excision 16 Series excision 18 Series excision Series excision 18			
1.4. Emergency telephone number Emergency number : InfoTrac: 800-535-5053 SECTION 2: Hazard(5) Identification 2.1. Classification Skin corresion/initation H315 Causes skin irritation Category 2 Serious eye damage/eye H319 Causes serious eye irritation irritation Category 2A Full text of H statements : see section 16 22. GHS Label elements, including precautionary statements GHS-US labeling Hazard pictograms (GHS-US) : Warning Hazard statements (GHS-US) : Warning Precautionary statements (GHS-US) : Warning Precautionary statements (GHS-US) : Pad4 - Wash exposed skin throughly after handing P280 - Wase protective gloves, eye protection Payse: Rinse cautionally with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P322 - P33 - II m exist: Get medical advice/attention P322 - P33 - II m exist: Get medical advice/attention P322 - P31 - If yee irritation persist: Get medical advice/attention P324 - P31 - II sei irritation persist: Get medical advice/attention P322 - P33 - II m exist: Researculation P324 - P33 - II m exist: Researculation P324 - P33 - II m exist: Researc	22111 Highway 71 West, Suite 601 Spicewood, Texas 78669		
Emergency number : InfoTrac: 800-535-5063 SECTION 2: Hazard(s) identification 21. Classification of the substance or mixture CHS-US classification H315 Skin corresion/irritation H315 Scintous region/irritation H315 Skin corresion/irritation H315 Scintous region with the substance or mixture Causes skin irritation Category 2 H319 Causes serious eye irritation Signal word (GHS-US) ::	www.laballey.com		
Emergency number : InfoTrac: 800-535-5063 SECTION 2: Hazard(s) identification 21. Classification of the substance or mixture CHS-US classification H315 Skin corresion/irritation H315 Scintous region/irritation H315 Skin corresion/irritation H315 Scintous region with the substance or mixture Causes skin irritation Category 2 H319 Causes serious eye irritation Signal word (GHS-US) ::	1.4. Emergency telephone number		
2.1. Classification of the substance or mixture GHS-US classification Skin corrosion/irritation H315 Causes skin irritation Category 2 Serious eye damage/eye H319 Causes serious eye irritation Full text of H statements : see section 16 Environmentation Full text of H statements : see section 16 2.2. GHS Label elements, including precautionary statements GHS-US labeling Hazard pictograms (GHS-US) : Use of the statements is see section 16 Signal word (GHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : P264 - Wash exposed skin throughly after handling P262-P362 - IF ON SKIN: Wash with plenty of sapa and water P302-P352 - IF ON SKIN: Wash with plenty of sapa and water P302-P352 - IF ON SKIN: Wash with plenty of sapa and water 		: InfoTrac: 800-535-5053	
2.1. Classification of the substance or mixture GHS-US classification Skin corrosion/irritation H315 Causes skin irritation Category 2 Serious eye damage/eye H319 Causes serious eye irritation Full text of H statements : see section 16 Environmentation Full text of H statements : see section 16 2.2. GHS Label elements, including precautionary statements GHS-US labeling Hazard pictograms (GHS-US) : Use of the statements is see section 16 Signal word (GHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : P264 - Wash exposed skin throughly after handling P262-P362 - IF ON SKIN: Wash with plenty of sapa and water P302-P352 - IF ON SKIN: Wash with plenty of sapa and water P302-P352 - IF ON SKIN: Wash with plenty of sapa and water P302-P352 - IF ON SKIN: Wash with plenty of sapa and water P302-P352 - IF ON SKIN: Wash with plenty of sapa and water P302-P352 - IF ON SKIN: Wash with plenty of sapa and water P302-P353 - If skin irritation occurs: Get medical advice/attention P332+P333 - If skin irritation occurs: Get medical advice/attention P332+P334 - Take off contaminated clothing and wash it before reuse 2.3. Other hazards which do not result in classification P332+P334 - Take off contaminated clothing and wash it before reuse 2.4. Unknown acute toxicity (GHS US) <	SECTION 2. Horowd/o) identification		
GHS-US classification H315 Causes skin irritation Skin corrosion/irritation H315 Causes skin irritation Calegory 2A Serious eye damage/eye H319 Causes serious eye irritation Irritation Category 2A Full text of H statements: issee section 16 Environmentation 2.2 GHS Label elements, including precautionary statements GHS-US labeling Environmentation Hazard pictograms (GHS-US) :		ivturo	
Skin corrosion/inritation H315 Causes skin inritation Category 2 H319 Causes serious eye irritation Serious eye damage/eye H319 Causes serious eye irritation Full text of H statements : see section 16 Causes serious eye irritation Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : Warning P264 + Wash exposed skin throtoghy after handling Precautionary statements (GHS-US) : P264 + Wash exposed skin inritation exposed skin inritation P302+P32 - IF ON SKIN: Wash with plenty of soap and water Procautionary statements (GHS-US) : P264 + Wash exposed skin inritation persists: Get medical advice/attention P302+P32 - IF ON SKIN: Wash with plenty of soap and water P302+P32 - IF ON SKIN: Wash with plenty of soap and water P302+P32 - IF ON SKIN: Wash with plenty of soap and water P302+P32 - IF ON SKIN: Wash with plenty of soap and water <		IV/01.0	
Category 2 Serious eye damage/eye H319 Causes serious eye irritation Full text of H statements : see section 16 Causes serious eye irritation 2.2. GHS Label elements, including precautionary statements GHS-US labeling Hazard pictograms (GHS-US) : Girsor Signal word (GHS-US) : Hazard statements (GHS-US) : Hazard statements (GHS-US) : Hazard statements (GHS-US) : H319 : Precautionary statements (GHS-US) : H227 Pace Area protective gloves, eye pretection Pace Area protective gloves, eye pretection Pace Area protective gloves, eye protection P305+P305 + IF ON SKIN: Wash with plenty of sogn and water P305+P305 + IF ON SKIN: Wash with plenty of sogn and water P305+P305 + IF ON SKIN: Wash with plenty of sogn and water or several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337+P313 - If eye irritation persists: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention			
Serious eye damage/eye H319 irritation Category 2A Full text of H statements : see section 16 2.2 GHS Label elements, including precautionary statements GHS-US labeling Hazard pictograms (GHS-US) : :		Causes skin irritation	
2.2. GHS Label elements, including precautionary statements GHS-US labeling Hazard pictograms (GHS-US) : Signal word (GHS-US) : Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : H315 - Causes serious every irritation Precautionary statements (GHS-US) : P264 - Wash exposed skin thoroughly after handling P280 - Wear protective gloves, eye protection P305+P351 - IF ON SKIN: Wash with plenty of scap and water P305+P351 - IF ON SKIN: Wash with plenty of coap and water P305+P351 - IF ON SKIN: Wash with plenty of scap and water P305+P351 - IF ON SKIN: Wash with plenty of scap and water P305+P351 - IF ON SKIN: Wash with plenty of scap and water P305+P351 - If eye irritation occurs: Get medical advice/attention P332+P313 - If eye irritation occurs: Get medical advice/attention P332+P313 - If eye irritation persist: Get medical advice/attention P32+P313 - If eye irritation occurs: Get medical advice/attention P362+P314 - Take off contaminated clothing and wash it before reuse P305+P314 - Take off contaminated clothing and wash it before reuse 2.3. Other hazards which do not result in classification If was irritation persists: Get medical advice/attention Other hazards not contributing to the : None. <	Serious eye damage/eye H319	Causes serious eye irritation	
GHS-US labeling Hazard pictograms (GHS-US) : i i i i i i i i i i i i i i i i i i i	Full text of H statements : see section 16		
GHS-US labeling Hazard pictograms (GHS-US) : i i i i i i i i i i i i i i i i i i i	2.2 GHS Label elements including prec	autionary statements	
Hazard pictograms (GHS-US) :			
Signal word (GHS-US) : Warning Hazard statements (GHS-US) : H315 - Causes skin irritation H319 - Causes serious eye irritation Precautionary statements (GHS-US) Precautionary statements (GHS-US) : P264 - Wash exposed skin throughly after handling P280 - Wear protective gloves, eye protection P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses. if present and easy to do. Continue rinsing P332+P313 - If skin irritation occurs: Get medical advice/attention P332+P313 - If eye irritation persists: Get medical advice/attention P332+P313 - If eye irritation persists: Get medical advice/attention P332+P313 - If skin irritation occurs: Get medical advice/attention P332+P313 - If seve irritation persists: Get medical advice/attention P332+P313 - If seve irritation persists: Get medical advice/attention P342+P346 + Take off contaminated clothing and wash it before reuse 2.3. Other hazards which do not result in classification Other hazards not contributing to the classification : None. 2.4. Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/Information on ingredients 3.1. Substances Not applicable	•		
Signal word (GHS-US) : Warning Hazard statements (GHS-US) : H315 - Causes skin irritation H319 - Causes serious eye irritation Precautionary statements (GHS-US) : P264 - Wash exposed skin throughly after handling P260 - Waar protective gloves, eye protection P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+P331+P333 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P332+P313 - If eye irritation persists: Get medical advice/attention P302+P364 - Take off contaminated clothing and wash it before reuse 2.3. Other hazards which do not result in classification Other hazards not contributing to the classification : None. 2.4. Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/Information on ingredients 3.1. Substances Not applicable Katage			
Hazard statements (GHS-US) : H315 - Causes skin irritation H319 - Causes serious eye irritation Precautionary statements (GHS-US) : P264 - Wash exposed skin thoroughly after handling P280 - Wear protective gloves, eye protection P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse 2.3. Other hazards which do not result in classification Other hazards not contributing to the classification : None. 2.4. Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/Information on ingredients 3.1. Substances Not applicable Kot applicable	Signal word (GHS-US)		
H319 - Causes serious eye irritation Precautionary statements (GHS-US) : P264 - Wash exposed skin thoroughly after handling P280 - Wear protective gloves, eye protection P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P332+P313 - If skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse 2.3. Other hazards which do not result in classification Other hazards not contributing to the classification : None. 2.4. Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/Information on ingredients 3.1. Substances Not applicable			
P280 - Wear protective gloves, eye protection P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse 2.3. Other hazards which do not result in classification Other hazards not contributing to the : None. classification : None. 2.4. Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/Information on ingredients 3.1. Substances Not applicable			
Other hazards not contributing to the : None. classification 2.4. Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/Information on ingredients 3.1. Substances Not applicable	Precautionary statements (GHS-US)	P280 - Wear protective gloves, eye protection P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention	
classification 2.4. Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/Information on ingredients 3.1. Substances Not applicable	2.3. Other hazards which do not result in	a classification	
Not applicable SECTION 3: Composition/Information on ingredients 3.1. Substances Not applicable		: None.	
SECTION 3: Composition/Information on ingredients 3.1. Substances Not applicable			
3.1. Substances Not applicable	Not applicable		
3.1. Substances Not applicable	SECTION 3: Composition/Informatio	n on ingredients	
	Not applicable		
	00/14/0017		

Safety Data Sheet

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

3.2. Mixtures				
Name	Product identifier	%	GHS-US classification	
Ferric Ammonium Sulfate, Dodecahydrate	(CAS-No.) 7783-83-7	73	Skin Irrit. 2, H315 Eye Irrit. 2A, H319	
Water	(CAS-No.) 7732-18-5	27	Not classified	

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures	
4.1. Description of first aid measure	95
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and	effects (acute and delayed)
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
4.3. Immediate medical attention an	d special treatment, if necessary
No additional information available	
SECTION 5: Fire-fighting measur	~es
5.1. Suitable (and unsuitable) exting	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
	-
5.2. Specific hazards arising from the No additional information available	1e chemical
5.3. Special protective equipment a	
Firefighting 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.
SECTION 6: Accidental release n	neasures
6.1. Personal precautions, protectiv	re equipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Safety glasses. Gloves.
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	· Equip closely arow with proper protection
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. I	Notify authorities if liquid enters sewers or public waters.
6.3. Methods and material for conta	inment and cleaning up
Methods for 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.
6.4. Reference to other sections	

See Heading 8. Exposure controls and personal protection.

Safety Data Sheet

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

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: 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 vapor.
Hygiene measures	: Wash contaminated clothing before reuse. Wash exposed skin thoroughly after handling.
7.2. Conditions for safe storage, including	ng any incompatibilities
Storage conditions	: Keep container closed when not in use.
Incompatible products	: Strong oxidizers.
Incompatible materials	: Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection					
8.1. Control parameters					
Ferric Ammonium Sulfate, D	odecahydrate (7783-83-7)				
ACGIH	ACGIH TWA (mg/m³)		1 mg/m ³ (Iron salts, soluble, as Fe; USA; Time- weighted average exposure limit 8 h; TLV - Adopted Value)		
Water (7732-18-5)					
Not applicable					

8.2. Appropriate engineering controls

Appropriate engineering controls

: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear protective gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Respiratory protection not required in normal conditions

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and	I chemical properties	
Physical state	: Liquid	
Color	: brown	
Odor	: None.	
Odor threshold	: No data available	
рН	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flammability (solid, gas)	: Non flammable.	

Safety Data Sheet

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

Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not applicable.
Oxidizing properties	: No data available.

9.2. Other information

No additional information available

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No addi	tional information available
10.2.	Chemical stability
Stable u	under normal conditions.
10.3.	Possibility of hazardous reactions
Not esta	ablished.
10.4.	Conditions to avoid
Direct s	unlight. Extremely high or low temperatures.
10.5.	Incompatible materials
Strong	oxidizers.
10.6.	Hazardous decomposition products
Sulfur c	ompounds. Gaseous ammonia. Nitrogen oxides.
SECT	ION 11: Toxicological information
11.1.	Information on toxicological effects

Likely routes of exposure	:	Skin and eye contact
Acute toxicity	:	Not classified

Water (7732-18-5)		
LD50 oral rat	≥ 90000 mg/kg	
ATE US (oral)	90000 mg/kg body weight	
Skin corrosion/irritation	: Causes skin irritation.	
Serious eye damage/irritation	: Causes serious eye irritation.	
Respiratory or skin sensitization	: 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/effects after skin contact	: Causes skin irritation.	
06/14/2017	EN (English US)	4/6

Safety Data Sheet

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

Symptoms/effects after eye contact

: Causes serious eye irritation.

SECTION 12: Ecological information

12.1. **Toxicity**

No additional information available

12.2. Persistence and degradability Ferric Ammonium Sulfate, Saturated Persistence and degradability Not established. Ferric Ammonium Sulfate, Dodecahydrate (7783-83-7) Persistence and degradability Biodegradability in water: no data available. Biochemical oxygen demand (BOD) Not applicable Chemical oxygen demand (COD) Not applicable ThOD Not applicable Water (7732-18-5) Persistence and degradability Not established. 12.3. **Bioaccumulative potential** Ferric Ammonium Sulfate, Saturated Bioaccumulative potential Not established. Ferric Ammonium Sulfate, Dodecahydrate (7783-83-7) Bioaccumulative potential No bioaccumulation data available. Water (7732-18-5) Bioaccumulative potential Not established. 12.4. **Mobility in soil**

No additional information available

12.5. Other adverse effects		
Effect on the global warming	: No known effects from this product.	
GWPmix comment	: No known effects from this product.	
Other information	: Avoid release to the environment.	
SECTION 12: Disposal consider	SECTION 12: Disposal considerations	

SECTION 13: Disposal consideration	ns
13.1. Disposal methods	
Waste disposal recommendations Ecology - waste materials	Dispose in a safe manner in accordance with local/national regulations.Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT) In accordance with DOT Not regulated

SECTION 15: Regulatory information

15.1. 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

15.2. International regulations CANADA

Safety Data Sheet

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

Not listed on the Canadian DSL (Domestic Substances List)	

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	
Revision date	: 06/14/2017
Other information	: None.
Full text of H-phrases: see section 16	:
H315	Causes skin irritation
H319	Causes serious eye irritation
NFPA health hazard	: 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard	: 0 - Materials that will not burn under typical dire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.
Hazard Rating	·
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 0 Minimal Hazard - Materials that will not burn
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection	: B
	B - Safety glasses, Gloves

SDS US LabChem

Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and Lab Alley LLC assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.