

GLEAM GURU -Ammonium Hydroxide, 10% v/v

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2022 / Rules and Regulations Date of issue: 02/19/2014 Revision date: 11/16/2023 Supersedes: 02/19/2014

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Product name	: Ammonium Hydroxide, 10% v/v (1+9)
Product code	: LC11180
1.2. Relevant identified uses of the su	ibstance or mixture and uses advised against
Use of the substance/mixture	: For laboratory and manufacturing use only
1.3. Details of the supplier of the safe	ty data sheet
Alliance Chemical 204 South Edmond St Taylor, Texas, 76574 www.alliancechemical.com 5123656838	
1.4. Emergency telephone number	
Emergency number	CHEMTEL (800) 255-3924
SECTION 2. Hererd(a) identification	
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance of	mixture
GHS-US classification	
Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2	H315 A H319
Hazardous to the aquatic environment - Acute	
Full text of H statements : see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H401 - Toxic to aquatic life
Precautionary statements (GHS-US)	 P264 - Wash exposed skin thoroughly after handling P273 - Avoid release to the environment 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 - Take off contaminated clothing and wash it before reuse P501 - Dispose of contents/container to comply with local, state and federal regulations
2.3. Other hazards	
Other hazards not contributing to the classification	: None under normal conditions.
2.4. Unknown acute toxicity (GHS US)	
Not applicable	
SECTION 3: Composition/Informat	ion on ingredients
3.1. Substance	
Not applicable	

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3.2. Mixture			
Name	Product identifier	%	GHS-US classification
Water	(CAS No) 7732-18-5	90%	Not classified
Ammonium Hydroxide, ACS	(CAS No) 1336-21-6	10%	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:vapour), H332 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400

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

SECTION 4: First aid me	asures	
4.1. Description of first ai	d measures	
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	n : Allow victim to breathe fresh air. Allow the victim to rest.	
First-aid measures after skin con	tact : 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 cont	tact : 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	n : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.	
4.2. Most important symp	toms and effects, both acute and delayed	
Symptoms/injuries after skin com	tact : Causes skin irritation.	
Symptoms/injuries after eye cont	act : Causes serious eye irritation.	
4.3. Indication of any imm	nediate medical attention and special treatment needed	
Obtain medical assistance.		
SECTION 5: Firefighting	measures	
5.1. Extinguishing media		
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.	
Unsuitable extinguishing media	: Do not use a heavy water stream.	
5.2. Special hazards arisi	ng from the substance or mixture	
No additional information availab	le	
5.3. Advice for firefighters		
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 r	elease measures	
6.1. Personal precautions	, protective equipment and emergency procedures	
6.1.1. For non-emergency p	ersonnel	
Protective equipment	: Safety glasses. Gloves.	
Emergency procedures	: Evacuate unnecessary personnel.	
6.1.2. For emergency respo	nders	
Protective equipment	: Equip cleanup crew with proper protection.	
Emergency procedures	: Ventilate area.	
6.2. Environmental preca	utions	
Prevent entry to sewers and pub	lic waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.	
6.3. Methods and materia	I for containment 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 se	ctions	
See Heading 8. Exposure controls and personal protection.		

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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 exposed skin thoroughly after handling.
7.2. Conditions for safe storage, includi	ng any incompatibilities
Storage conditions	: Keep cool. Keep container closed when not in use.
Incompatible products	: Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ammonium Hydrox	Ammonium Hydroxide, ACS (1336-21-6)			
ACGIH	ACGIH TWA (mg/m ³)	17 mg/m³		
ACGIH	ACGIH STEL (mg/m ³)	24 mg/m ³		
OSHA	OSHA PEL (TWA) (mg/m ³)	35 mg/m ³		
OSHA	OSHA PEL (TWA) (ppm)	50 ppm		
IDLH	US IDLH (ppm)	300 ppm		
NIOSH	NIOSH REL (TWA) (mg/m ³)	18 mg/m ³		
NIOSH	NIOSH REL (TWA) (ppm)	25 ppm		
NIOSH	NIOSH REL (STEL) (mg/m ³)	27 mg/m ³		
NIOSH	NIOSH REL (STEL) (ppm)	35 ppm		
Water (7732-18-5)				
Not applicable				

8.2. Exposure controls

Appropriate engineering controls

Personal protective equipment

- : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation.
- : Avoid all unnecessary exposure. Gloves. Safety glasses.



Hand protection: Wear protective gloves.Eye protection: Chemical goggles or 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 I	basic physical and chemical properties
Physical	state	: Liquid
Color		: Colorless
Odor		: Ammonia odour
Odor thr	eshold	: No data available
рН		: No data available
Melting p	ooint	: No data available
Freezing	g point	: No data available
Boiling p	point	: No data available

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Flash point	:	No data available	
Relative evaporation rate (butyl acetate=1)	:	No data available	
Flammability (solid, gas)	:	Non flammable.	
Vapor pressure	:	No data available	
Relative vapor density at 20 °C	:	No data available	
Relative density	:	No data available	
Specific gravity / density	:	0.987 g/ml	
Solubility	:	No data available	
Log Pow	:	No data available	
Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
Viscosity, kinematic	:	1.05 cSt	
Viscosity, dynamic	:	No data available	
Explosion limits	:	No data available	
Explosive properties	:	No data available	
Oxidizing properties	:	No data available	

9.2. Other information

No additional information available

SECTION 10: Stability and reacti	vity	
10.1. Reactivity		
No additional information available		
10.2. Chemical stability		
Stable under normal conditions.		
10.3. Possibility of hazardous reaction	ons	
Not established.		
10.4. Conditions to avoid		
Direct sunlight. Extremely high or low temp	eratures.	
10.5. Incompatible materials		
Strong acids.		
10.6. Hazardous decomposition proc	ducte	
Gaseous ammonia.		
	motion	
SECTION 11: Toxicological infor		
11.1. Information on toxicological ef	IECIS	
Likely routes of exposure	: Inhalation; Skin and eye contact	
Acute toxicity	: Not classified	
Ammonium Hydroxide, ACS (1336-21-6 LD50 oral rat		
ATE US (oral)	350 mg/kg 350.000 mg/kg body weight	
ATE US (vapors)	10.714 mg/l/4h	
Water (7732-18-5)	10.714 119//411	
LD50 oral rat	≥ 90000 mg/kg	
ATE US (oral)	90000.000 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	
Poproductivo toxicity	: Not classified	
Reproductive toxicity		
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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 after skin contact Symptoms/injuries after eye contact	Causes skin irritation.Causes serious eye irritation.

nmonium Hydroxide, ACS (1336-21-6) 250 fish 1 0.16 - 250 Daphnia 1 2.08 m 2. Persistence and degradability nmonium Hydroxide, 10% v/v (1+9) ersistence and degradability nmonium Hydroxide, ACS (1336-21-6) Not estimate ersistence and degradability Readi mobility ater (7732-18-5) ersistence and degradability Bioaccumulative potential Not estimate	ful to aquatic life. 1.1 mg/l (LC50; 96 h) ng/l (LC50; 48 h) stablished.
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Bioaccumulative potential Not estimate nmonium Hydroxide, 10% v/v (1+9)	ly biodegradable in water. Ozonation in water. Biodegradable in the soil. No test data on ty of the components available. Ozonation in the air.
B. Bioaccumulative potential nmonium Hydroxide, 10% v/v (1+9)	
nmonium Hydroxide, 10% v/v (1+9)	stablished.
paccumulative potential Not es	
	stablished.
nmonium Hydroxide, ACS (1336-21-6)	
g Pow -1.3	
paccumulative potential Bioace	cumulation: not applicable.
ater (7732-18-5)	
paccumulative potential Not es	stablished.
I. Mobility in soil	
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 13: Disposal considerations				
13.1.	Waste treatment methods			
Waste di	isposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.		
Ecology	- waste materials	: Avoid release to the environment.		
CECTI	ON 14. Tronon ort information			

SECTION 14: Transport information

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

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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

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Ammonium Hydroxide, ACS	CAS No 1336-21-6	2.5%
Ammonium Hydroxide, ACS (1336-21-6)		
RQ (Reportable quantity, section 304 of EPA's 1000 lb		

RQ (Reportable quantity, section 304 of EPA's List of Lists)

nmonium Hydroxide, 10% v/v (1+9)		
Class D Division 2 Subdivision B - Toxic material causing other toxic effects		
Class E - Corrosive Material		
Uncontrolled product according to WHMIS classification criteria		

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

SECT	FION 16: Other information	
Revisio	on date	: 11/16/2023
Other information		: None.
Full tex	kt of H-phrases: see section 16:	
	H302	Harmful if swallowed
	H314	Causes severe skin burns and eye damage
	H315	Causes skin irritation
	H318	Causes serious eye damage
	H319	Causes serious eye irritation
	H332	Harmful if inhaled
	H400	Very toxic to aquatic life
	H401	Toxic to aquatic life
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.

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HMIS III 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 Alliance Chemical

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