

Safety Data Sheet M035A03 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 07/02/2019 Version: 1.0

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Product code Formula Synonyms Other means of identification 1.2. Relevant identified uses of the Use of the substance/mixture 1.3. Details of the supplier of the substance, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Amore T (386) 462-0788 - F (386) 462-7097 Info@synquestlabs.com - www.synquestlabs.com - wwww.synquestlabs.com - ww	 M035-A-03 BrF3 Bromine fluoride (BrF3) / Trifluorobromine(III) / Bromine trifluoride (BrF3) MFCD00042533 the substance or mixture and uses advised against Laboratory chemicals Manufacture of substances Scientific research and development safety data sheet nerica tabs.com er (844) 523-4086 (3E Company - Account 10069) cation cocor mixture cause fire or explosion; strong oxidiser I i maled I is wallowed I in contact with skin I if inhaled ses severe skin burns and eye damage ses severe skin burns and eye damage
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SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Amor T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestla 1.4. Emergency telephone number Emergency number SECTION 2: Hazard(s) identifica 2.1. Classification of the substance Classification (GHS-US) Ox. Liq. 1 H271 - May of Acute Tox. 1 (Oral) H300 - Fatal Acute Tox. 1 (Dermal) H310 - Fatal Acute Tox. 1 (Inhalation) H330 - Fatal Acute Tox. 1 (Inhalation) H310 - Fatal Skin Corr. 1B H314 - Causs Eye Dam. 1 H318 - Causs STOT SE 3 H335 - May of Full text of H-phrases: see section 16 2.2. Label elements	nerica tlabs.com er : (844) 523-4086 (3E Company - Account 10069) cation nee or mixture cause fire or explosion; strong oxidiser I if swallowed I in contact with skin I if inhaled ses severe skin burns and eye damage ses serious eye damage
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2.2. Label elements	
SHS-US labeling	
Hazard pictograms (GHS-US)	GHS03 GHS05 GHS06 GHS07
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	 H271 - May cause fire or explosion; strong oxidizer H300+H310+H330 - Fatal if swallowed, in contact with skin or if inhaled H314 - Causes severe skin burns and eye damage H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	 P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking P220 - Keep/Store away from clothing//combustible materials P221 - Take any precaution to avoid mixing with combustibles/ P260 - Do not breathe dust/fume/gas/mist/vapors/spray P262 - Do not get in eyes, on skin, or on clothing P264 - Wash skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P283 - Wear fire/flame resistant/retardant clothing

ccording to Federal Register / Vol. 77, No. 58 / Monday,		D240 If eventure de la serie d'arte la la		a ata a/
	P301 P303	+P310 - If swallowed: Immediately call a +P330+P331 - If swallowed: rinse mouth +P361+P353 - If on skin (or hair): Take o vith water/shower	. Do NOT induc	e vomiting
	P304 P305 lense P306 water P310 P320 P321 P330 P361 P363	+P340 - If inhaled: Remove person to fre +P351+P338 - If in eyes: Rinse cautious s, if present and easy to do. Continue rir +P360 - If on clothing: Rinse immediatel before removing clothes - Immediately call a POISON CENTER - Specific treatment is urgent (see supp - Specific treatment (see supplemental - Rinse mouth - Take off immediately all contaminated - Wash contaminated clothing before re	ly with water for using y contaminated or doctor/ physic emental first aic irst aid instructio clothing use	several minutes. Remove contact clothing and skin with plenty of cian l instructions on this label) ons on this label)
	P371 remo P403 P405	+P378 - In case of fire: Use dry sand, dr +P380+P375 - In case of major fire and tely due to the risk of explosion +P233 - Store in a well-ventilated place. - Store locked up	large quantities: Keep container	Evacuate area. Fight fire tightly closed
	P501	- Dispose of contents/container to an ap	proved waste d	sposal plant
2.3. Other hazards	. Dee-		uustible meteri-	mou course fire. Contact with
Other hazards not contributing to the classification		ts violently with water. Contact with com liberates toxic gas. Reacts exothermica		J
2.4. Unknown acute toxicity (GHS US) Not applicable				
	n on in	gradianta		
SECTION 3: Composition/informatio	n on in	greatents		
3.1. Substance Substance type	· Mone	-constituent		
	. 100110			
Name Bromine trifluoride		Product identifier (CAS No) 7787-71-5	% <= 100	Classification (GHS-US) Ox. Lig. 1, H271
(Main constituent)			<= 100	Acute Tox. 1 (Oral), H300 Acute Tox. 1 (Dermal), H310
				Acute Tox. 1 (Inhalation), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
Full text of H-phrases: see section 16				Skin Corr. 1B, H314
•				Skin Corr. 1B, H314 Eye Dam. 1, H318
3.2. Mixture				Skin Corr. 1B, H314 Eye Dam. 1, H318
3.2. Mixture Not applicable				Skin Corr. 1B, H314 Eye Dam. 1, H318
3.2. Mixture Not applicable SECTION 4: First aid measures				Skin Corr. 1B, H314 Eye Dam. 1, H318
3.2. Mixture Not applicable SECTION 4: First aid measures 4.1. Description of first aid measures	where conta	se of accident or if you feel unwell, seek e possible). Move the affected personne ct, wearing rubber gloves rub 2.5% calc for 1.5 hours or until further medical care	away from the our gluconate get	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 mmediately (show the label contaminated area. In case of skir
3.2. Mixture Not applicable SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general	where conta areat	e possible). Move the affected personne ct, wearing rubber gloves rub 2.5% calc	away from the o um gluconate go is available. able for breathin	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 mmediately (show the label contaminated area. In case of skir el continuously into the affected
3.2. Mixture Not applicable SECTION 4: First aid measures SECTION 4: First aid measures Secription of first aid measures 4.1. Description of first aid measures First-aid measures general Secription of first aid measures First-aid measures after inhalation Secription	where conta area : Remo respin : Wash conta area	e possible). Move the affected personnel ict, wearing rubber gloves rub 2.5% calc for 1.5 hours or until further medical care ove person to fresh air and keep comfort	away from the o um gluconate go is available. able for breathin ention. contaminated c um gluconate go	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 mmediately (show the label contaminated area. In case of skin el continuously into the affected ig. If not breathing, give artificial lothing and shoes. In case of skin el continuously into the affected
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3.2. Mixture Not applicable SECTION 4: First aid measures SECTION 4: First aid measures First aid measures 4.1. Description of first aid measures First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion First-aid measures after ingestion	 where conta area a Remorespin Wash conta area a advic Imme prese Do N mouth 	e possible). Move the affected personnel ict, wearing rubber gloves rub 2.5% calc for 1.5 hours or until further medical care ove person to fresh air and keep comfort ration. Get immediate medical advice/att in with plenty of soap and water. Remove ict, wearing rubber gloves rub 2.5% calc for 1.5 hours or until further medical care e/attention. ediately flush eyes thoroughly with water int and easy to do. Continue rinsing. Get OT induce vomiting. Never give anything in out with water. Get immediate medical	away from the o um gluconate ge is available. able for breathin ention. contaminated c um gluconate ge is available. Ge for at least 15 m immediate med by mouth to an	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 mmediately (show the label contaminated area. In case of skin el continuously into the affected g. If not breathing, give artificial lothing and shoes. In case of skin el continuously into the affected et immediate medical inutes. Remove contact lenses, if ical advice/attention. unconscious person. Rinse
Not applicable SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	where conta area 1 : Remo respin : Wash conta area 1 advic : Imme prese : Do N mouth : ts, both : The r	e possible). Move the affected personnel ict, wearing rubber gloves rub 2.5% calc for 1.5 hours or until further medical care ove person to fresh air and keep comfort ration. Get immediate medical advice/att in with plenty of soap and water. Remove ict, wearing rubber gloves rub 2.5% calc for 1.5 hours or until further medical care e/attention. ediately flush eyes thoroughly with water int and easy to do. Continue rinsing. Get OT induce vomiting. Never give anything in out with water. Get immediate medical	away from the o um gluconate ge is available. able for breathin ention. contaminated c um gluconate ge is available. Get for at least 15 m immediate med by mouth to an advice/attention	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 mmediately (show the label contaminated area. In case of skin el continuously into the affected ag. If not breathing, give artificial lothing and shoes. In case of skin el continuously into the affected et immediate medical inutes. Remove contact lenses, if ical advice/attention. unconscious person. Rinse

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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Absorption of excessive F- can result in acute systemic fluorosis with hypocalcemia, interference with various metabolic functions and organ damage (heart, liver, kidneys).

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Water spray.
5.2. Special hazards arising from the su	bstance or mixture
Fire hazard	: Hydrogen bromide. Hydrogen fluoride.
Explosion hazard	: Risk of explosion if heated under confinement.
Reactivity	: Alkali metals. Reacts violently with water. May cause fire or explosion; strong oxidizer.
5.3. Advice for firefighters	
Firefighting instructions	: In case of fire: Evacuate area. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Wear gas tight chemically protective clothing in combination with self contained breathing apparatus.
SECTION 6: Accidental release mea	sures
6.1. Personal precautions, protective eq	uipment and emergency procedures
General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.
6.1.1. For non-emergency personnel	
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.
6.2. Environmental precautions	
Avoid release to the environment. Notify authorit	ies if product enters sewers or public waters.
6.3. Methods and material for containing	ent and cleaning up
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
Methods for cleaning up	: Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includi	ng any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Moisture sensitive. Keep contents under inert gas.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage area	: Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

No additional information available

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8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and che	mical properties
Physical state :	Liquid
Color :	No data available
Odor :	No data available
Odor threshold :	No data available
рН :	No data available
Melting point :	8.77 °C
Freezing point :	No data available
Boiling point :	127 °C
Flash point :	No data available
Relative evaporation rate (butyl acetate=1) :	No data available
Flammability (solid, gas) :	No data available
Explosion limits :	No data available
Explosive properties :	No data available
Oxidizing properties :	No data available
Vapor pressure :	18 mm Hg (at 39 °C)
Relative density :	No data available
Relative vapor density at 20 °C :	No data available
Specific gravity / density :	2.8 g/ml (@ 20 °C)
Molecular mass :	136.899 g/mol
Solubility :	No data available
Log Pow :	No data available
Auto-ignition temperature :	No data available
Decomposition temperature :	No data available
Viscosity :	No data available
Viscosity, kinematic :	No data available
Viscosity, dynamic :	No data available

9.2. Other information

No additional information available

SECT	SECTION 10: Stability and reactivity		
10.1.	Reactivity		
Alkali m	etals. Reacts violently with water. May cause fire or explosion; strong oxidizer.		
10.2	Chemical stability		

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Reacts violently with water.

10.4. Conditions to avoid

Keep away from heat, sparks and flame. Moisture.

10.5. Incompatible materials

Organic materials. Oxidizing agents. Alkali metal salts. Water. Metal oxides. Organometallic compounds. Peroxides. Halogens.

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10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Oral: Fatal if swallowed. Dermal: Fatal in contact with skin. Inhalation: Fatal if inhaled.

Bromine trifluoride (7787-71-5)	
ATE US (oral)	0.500 mg/kg body weight
ATE US (dermal)	5.000 mg/kg body weight
ATE US (gases)	10.000 ppmV/4h
ATE US (vapors)	0.050 mg/l/4h
ATE US (dust, mist)	0.005 mg/l/4h
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.

SECTION 12: Ecological information
12.1. Toxicity
No additional information available
12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
No additional information available
12.4. Mobility in soil
No additional information available
12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations 13.1. Waste treatment methods : Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. Waste treatment methods Waste disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions. Additional information : Recycle the material as far as possible. **SECTION 14: Transport information Department of Transportation (DOT)** In accordance with DOT Transport document description : UN1746 Bromine trifluoride, 5.1, I UN-No.(DOT) : UN1746

Proper Shipping Name (DOT) : Bromine trifluoride

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	. No supplementary mormation		
Emergency Response Guide (ERG) Number Other information	: 144 : No supplementary informatior	available	
DOT Vessel Stowage Other	flammable solids,90 - Stow "s	40 - Stow "clear of living quarters",66 - Stow "sepa eparated from" radioactive materials	arated from"
DOT Vessel Stowage Location	carrying a number of passeng passenger per each 3 m of ov vessels in which the limiting n	ed "on deck only" on a cargo vessel and on a pas ers limited to not more than the larger of 25 passe erall vessel length, but the material is prohibited or umber of passengers is exceeded.	ngers or one n passenger
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)			
(49 CFR 173.27)			
	: None : Forbidden		
	 2 - This material is poisonous (see 173.116(a) or 173.133(a) hazard under the provisions of B9 - Bottom outlets are not au B14 - Each bulk packaging, ewith an insulating material so than 1.5333 kilojoules per hous quare foot per degree Fahre promote corrosion to steel wh B32 - MC 312, MC 330, MC 3 made of stainless steel, except with the provisions of 173.24b and heads for cargo tanks and the thickness required for a tar pressure of the lading at 46 C vehicles must: a. Be ASME C welds; b. Have accident dama c. Have a MAWP or design pr T22 - 10 10 mm Prohibited 17 TP2 - a. The maximum degree following: (image) Where: tr is temperature in degrees celsius cubical expansion of the liquid the maximum mean bulk templiquids transported under amb Where: d15 and d50 are the c (59 F) and 50 C (122 F), resp TP12 - This material is consid TP13 - Self-contained breathi transported by sea. TP38 - Each portable tank mustainless steel may be used ir Thickness of stainless steel for (0.250 inch) or the thickness r to 1.3 times the vapor pressure in the stainless steel may be used ir Thickness of stainless steel for (0.250 inch) or the thickness r to 1.3 times the vapor pressure in the stainless steel may be used ir Thickness of stainless steel for (0.250 inch) or the thickness r to 1.3 times the vapor pressure in the stainless steel may be used ir Thickness of stainless steel for (0.250 inch) or the thickness r to 1.3 times the vapor pressure in the stainless steel may be used ir Thickness of stainless steel for (0.250 inch) or the thickness r to 1.3 times the vapor pressure in the stainless steel for (0.250 inch) or the thickness r to 1.3 times the vapor pressure in the stainless steel may be used ir Thickness of stainless steel for (0.250 inch) or the thickness r to 1.3 times the vapor pressure in the stainless steel for (0.250 inch) or the thickness r to 1.3 times the vapor pressure in the stainless steel for (0.250 inch) or the thickness r to 1.3 times the vapor pressure in the stainless the vapor pressure	thorized. Accept a tank car or a multi-unit-tank car tank, must that the overall thermal conductance at 15.5 C (60 r per square meter per degree Celsius (0.075 Btu heit) temperature differential. Insulating materials en wet. 31, DOT 412 cargo tanks and DOT 51 portable tar t that steel other than stainless steel may be used (b) of this subchapter. Thickness of stainless steel d portable tanks must be the greater of 6.35 mm (0 nk with a design pressure at least equal to 1.3 time (115 F). In addition, MC 312 and DOT 412 cargo to bode (U) stamped for 100% radiography of all press ge protection which conforms with 178.3458 of this essure of at least 87 psig; and d. Have a bolted ma 8.275(g)(3). a of filling must not exceed the degree of filling deter the maximum mean bulk temperature during trans- s of the liquid during filling, and a is the mean coeff between the mean temperature of the liquid durin reature during transportation (tr) both in degrees of ient conditions may be calculated using the formul ensities (in units of mass per unit volume) of the liquid ectively.	ard Zone B inhalation be insulated F) is no more per hour per must not hks must be in accordance for tank shell 0.250 inch) or es the vapor tank motor sure-retaining s subchapter; an way cover. ermined by the sport, tf is the ficient of g filling (tf) and belsius. b. For a: (image) quid at 15 C us material is he overall per square heit) when wet. er than his subchapter. ter of 6.35 mm
Hazard labels (DOT)	: 5.1 - Oxidizer 6.1 - Poison 8 - Corrosive	8	
Transport hazard class(es) (DOT)	: 5.1 - Class 5.1 - Oxidizer 49 0	11(17).120	

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TDG

No additional information available

Transport by sea	
UN-No. (IMDG)	: 1746
Proper Shipping Name (IMDG)	: BROMINE TRIFLUORIDE
Class (IMDG)	: 5.1 - Oxidizer
Packing group (IMDG)	: I - substances presenting high danger
Air transport	
UN-No. (IATA)	: 1746
Proper Shipping Name (IATA)	: Bromine trifluoride
Class (IATA)	: 5.1 - Oxidizing Substances

SECTION 15: Regulatory information

15.1. US Federal regulations

Bromine trifluoride (7787-71-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Bromine trifluoride (7787-71-5)

Listed on the Canadian NDSL (Non-Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Bromine trifluoride (7787-71-5)

Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Korean ECL (Existing Chemicals List) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Canadian IDL (Ingredient Disclosure List) Listed on INSQ (Mexican national Inventory of Chemical Substances)

15.3. US State regulations

Bromine trifluoride (7787-71-5)	
State or local regulations	U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List

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

SECTION 16: Other information

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full text of H-phrases:	
Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 1 (Inhalation)	Acute toxicity (inhalation) Category 1
Acute Tox. 1 (Oral)	Acute toxicity (oral) Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Ox. Liq. 1	Oxidizing liquids Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H271	May cause fire or explosion; strong oxidizer
H300	Fatal if swallowed
H310	Fatal in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H330	Fatal if inhaled
H335	May cause respiratory irritation
IFPA reactivity	 3 - Capable of detonation or explosive reaction, but requires a strong initiating source or must be heated under confinement before initiation, or reacts explosively with water.
IFPA specific hazard	: W - Unusual reactivity with water. This indicates a potential hazard using water to fight a fire involving this material. When a compound is both water-reactive and an oxidizer, the W/bar symbol should go in this quadrant and the OX warning is placed immediately below the NFPA diamond.
IMIS III Rating	
lealth	: 4 Severe Hazard - Life-threatening, major or permanent damage may result from single or repeated overexposures
lammability	: 0 Minimal Hazard - Materials that will not burn
Physical	: 3 Serious Hazard - Materials that may form explosive mixtures with water and are capable of detonation or explosive reaction in the presence of a strong initiating source. Materials may polymerize, decompose, self-react, or undergo other chemical change at normal temperatur and pressure with moderate risk of explosion

SDS US (GHS HazCom 2012)

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