

Safety Data Sheet 1800B10 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 05/23/2017 Version: 1.0

Product form : Su Substance name : 2,5 CAS No : 30 Product code : 18 Formula : CS Synonyms : 2 Other means of identification : MI 1.2. Relevant identified uses of the substance Use of the substance/mixture : La Max Sc 1.3. Details of the supplier of the safety data s SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.com 1.4. Emergency telephone number Emergency number Emergency number : (8- SECTION 2: Hazard(s) identification 2.1. Classification (GHS-US) Flam. Liq. 4 H227 - Combustible liquid Skin Corr. 1A H314 - Causes severe skin burns and Eye Dam. 1 H318 - Causes serious eye damage STOT SE 3 H335 - May cause respiratory irritatio Full text of H-phrases: see section 16 Full text of H-phrases: see section 16	aboratory chemicals Manufacture of substances Scientific research and development sheet 844) 523-4086 (3E Company - Account 10069) re
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2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US) :	GHS05 GHS07
Signal word (GHS-US) : Da	Danger
Hazard statements (GHS-US) : H2 H3	1227 - Combustible liquid 1314 - Causes severe skin burns and eye damage 1335 - May cause respiratory irritation
P2 P2 P2 P3 P3 P3 P3 P3 P3 P3 P3 P3 P3 P3 P3 P3	 2210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking 2260 - Do not breathe fumes, mist, spray, vapors 2264 - Wash skin thoroughly after handling 2271 - Use only outdoors or in a well-ventilated area 2280 - Wear protective gloves/protective clothing/eye protection/face protection 2301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting 2303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse 2305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact enses, if present and easy to do. Continue rinsing 2310 - Immediately call a POISON CENTER or doctor/ physician 2321 - Specific treatment (see supplemental first aid instructions on this label) 2363 - Wash contaminated clothing before reuse 2370+P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish
05/23/2017 EN (

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

there hassification : Lachrymator. 4. Unknown acute toxicity (GHS US) ot applicable FECTION 33. Composition/information on ingredients 1. Substance		P403+P233 - Store in a well-ventilated place. Keep container tightly closed P403+P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant			
isadification 4. Unknown acute toxicity (GHS US) iot applicable ECTION 3. Composition/Information on Ingredients 4. Subtance Ubstance type 2. Mono-constituent Name 2. Composition/Information 2. Composition/Information 3. Composition 3. Composit	2.3. Other hazards				
bit applicable ECTION 3: Composition/information on ingredients 1. Substance type : Mono-constituent Name Product identifier % Classification (GHS-US) Scheditiburonethyllennyl bromde (CAS No) 302911-88-4 <e100< td=""> Flam. Lig. 4, H227 Skin commberyllennyl bromde (CAS No) 302911-88-4 <e100< td=""> Flam. Lig. 4, H227 Skin commberyllennyl bromde (CAS No) 302911-88-4 <e100< td=""> Flam. Lig. 4, H227 Skin commberyllennyl bromde (CAS No) 302911-88-4 <e100< td=""> Flam. Lig. 4, H227 Skin commberyllennyl bromde (CAS No) 302911-88-4 <e100< td=""> Flam. Lig. 4, H227 Skin commberyllennyl bromde (CAS No) 302911-88-4 <e100< td=""> Flam. Lig. 4, H227 Skin commonterster (CAS No) 302911-88-4 <e100< td=""> Flam. Lig. 4, H227 Skin commonterster (CAS No) 302911-88-4 <e100< td=""> Flam. Lig. 4, H227 Skin commonter (CAS No) 302911-88-4 <e100< td=""> Flam. Lig. 4, H227 Skin commonter (CAS No) 302911-88-4 <e100< td=""> If Cas Information Common to the substance or motion in fire of the substance or motion in the commonter of the substance or motion in the substance or motion in the commonter or substance or moti</e100<></e100<></e100<></e100<></e100<></e100<></e100<></e100<></e100<></e100<>	Other hazards not contributing to the classification	: Lachrymator.			
ECTION 3: Composition/information on ingredients Aubitance Ubitance Ubitance Upitance Upitanc		JS)			
Substance ubstance type : Mono-constituent Name Product identifier % Classification (GHS-US) 23-Beit/diveromethy/ibenzyl bromide (Main constituent) (CAS No) 302911-88-4 Sen 100 Filem. Lot 4, H227 Shin Coir, 1, K3134 Eye Dam, 1, H313 SHOT SE 3, H335 UII text of H-phrases: see section 16	Not applicable				
ubstance type : Mono-constituent Name Product identifier % Classification (GHS-US) S2Bittifutionmentry/benry/bromide (CAS No) 302911-88-4 c= 100 Flum. Lo. 4, H227 Wature Nature Stor Care: 1, H31 & Stor Care: 1, H31 & Util text of H-phrases: see section 16 Image: 100 million of the phrases: see section 16 Image: 100 million of the phrases: see section 16 CECTION 41: First ald measures Image: 100 million of the phrases: see section 16 Image: 100 million of the phrases: see section 16 CECTION 41: First ald measures Image: 100 million of the phrases: see section 16 Image: 100 million of the phrases: see section 16 Section 41: Section 41: Section 01: Secti	SECTION 3: Composition/inform	nation on ingredients			
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2.5.Bit(futuremethyl)benzyl bromide (KAB No) 302911-88-4 <= 100 Eam Lig 4.1227 Sin Corr 14. H314 BTOT SE 3, H335 UII text of H-phrases: see section 16	Substance type	: Mono-constituent			
(Main constituted) Skin Corr. 14, 1414 (Page 2000) Stor Set 3, 14335 Uil text of H-phrases: see section 16 Stor Set 3, 14335 (I) depplicable Stor Set 3, 14335 (Section 2000) Stor Set 3, 14335 (I) depplicable Stor Set 3, 14335 (I) departure instant measures general : In case of accident or if you feel unwell, seek medical advice immediate medical advice attention. (I) a measures after inhalation : Remove person to feeb air and keep controntable for breathing, give artificial respiration. Get immediate medical advice/attention. (II) a measures after eye contact : Wash with plenty of soap and water. Remove contaminated cothing and shoes. Get immediate medical advice/attention. (II) a measures after inhalation : Do NOT induce voniting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. (II) a most important known symptoms and effects. Stor Set 3. (II) a mediate medical attention and special treatment needed rest symptomatically. Stor Set 3. (II) a motion in a mediate medical attention and special treatment needed rest symptomatically. Stor Set 3. (III) a mediate medical attention and special treatme	Name	Product identifier	%	Classification (GHS-US)	
2. Mixture tot applicable ECTION 4: First aid measures 1. Description of first aid measures irst-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the alfected personnel away from the contaminated area. irst-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. irst-aid measures after skin contact : Umschildately flush eyes thoroughly with water for at least 15 minutes. Remove contaminated dothing and shoes. Get immediate medical advice/attention. irst-aid measures after eye contact : Immediate medical advice/attention. irst-aid measures after inpestion : Do NOT induce vonting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. . Most important symptoms and effects, both acute and delayed ymptoms/injuries : The most important hown symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. ymptoms/injuries after inhalation : Material is destructive to issue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nause. . Indication of any immediate medical attention and special treatment needed reat stringuishing media : Alcohol resistant foam. Carbon d	2,5-Bis(trifluoromethyl)benzyl bromide (Main constituent)	(CAS No) 302911-98-4	<= 100	Skin Corr. 1A, H314 Eye Dam. 1, H318	
In applicable ECTION 4: First aid measures 1. Description of first aid measures general In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. irst-aid measures after inhalation Remove person to fresh air and keep confortable for breathing, give artificial respiration. Get immediate medical advice/attention. irst-aid measures after skin contact Wash with plenty of scap and water. Remove contaminated dothing and shoes. Get immediate medical advice/attention. irst-aid measures after eye contact Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. irst-aid measures after ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. irst-aid measures after ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. 2. Most important symptoms and effects. both acute and delayed Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea. 3. Indication of any immediate medical attention and special treatment needed Immediate medical advice/attention. 1. Extinguishing media Alcohol resistant foam. Carbon dioxide. Dry powder. Wa	Full text of H-phrases: see section 16				
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irst-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. irst-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. irst-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention. irst-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. irst-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention. . Most important symptoms and effects, both acute and delayd ymptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. ymptoms/injuries after inhalation : Material is destructive to lissue of the mucuous membranes and upper respiratory tract. Cough, shortnees of breath, headache, nausea. .1. Extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. .2. Special hazards arising from the substance or mixture : Thermal decompo					
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eneral measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes,	SECTION 6: Accidental release r	measures			
	6.1. Personal precautions, protectiv				
	General measures		Ensure adequate air ven	tilation. Do not breathe gas, fumes,	

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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		
0 7 1	: 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. Consider the risk of potentially explosive atmospheres. Eliminate every possible source of ignition.	
6.2. Environmental precautions		
Avoid release to the environment. Notify authoritie	s if product enters sewers or public waters.	
6.3. Methods and material for containment	t 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	: Handle empty containers with care because residual vapors are flammable.	
·		
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. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.	
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, including	g any incompatibilities	
Technical measures	: Comply with applicable regulations.	
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. 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/perso	nal protection	
8.1. Control parameters		
No additional information available		
8.2. Exposure 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.	
	: Protective gloves. 29 CFR 1910.138: Hand 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 pr	operties	
9.1. Information on basic physical and ch		
and ch		

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рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 176 °C
Flash point	: 91 °C
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	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 1.674 g/ml (@ 25 °C)
Molecular mass	: 307.03 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	
Refractive index	: 1.449 (@ 20 °C)
SECTION 10: Stability and reactivity	ty
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling and s	storage conditions.
10.3. Possibility of hazardous reactions	\$
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flame.	
10.5. Incompatible materials	
Strong bases. Strong oxidizing agents.	
10.6. Hazardous decomposition produc	ts
Inder normal conditions of storage and use h	pazardous decomposition products should not be produced. Hazardous decomposition products in case o

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

SECT	SECTION 11: Toxicological information				
11.1.	Information on toxicological effects				
		· Not classified			

Acute toxicity	: Not classified
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.

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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.

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

No additional information available

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.	
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

UN-No.(DOT) Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Hazard labels (DOT)

Packing group (DOT) DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Symbols

- : UN3265 Corrosive liquid, acidic, organic, n.o.s., 8, II
- : UN3265
- : Corrosive liquid, acidic, organic, n.o.s.
- : 8 Class 8 Corrosive material 49 CFR 173.136





- : II Medium Danger
- : 202
- : 242
- : G Identifies PSN requiring a technical name

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DOT Special Provisions (49 CFR 172.102)	 B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized. B2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T11 - 6 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 30 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"
Other information	: No supplementary information available.
TDG	
No additional information available	
Transport by sea	
UN-No. (IMDG)	: 3265
Proper Shipping Name (IMDG)	: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: II - substances presenting medium danger
Air transport	
UN-No. (IATA)	: 3265
Proper Shipping Name (IATA)	: Corrosive liquid, acidic, organic, n.o.s.
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: II - Medium Danger
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 except for:

		CAS No 302911-98-4	100%
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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

No additional information available

EU-Regulations No additional information available

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National regulations 2,5-Bis(trifluoromethyl)benzyl bromide (302911-98-4) Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

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

Full text of H-phrases:	
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Flam. Liq. 4	Flammable liquids Category 4
Skin Corr. 1A	Skin corrosion/irritation Category 1A
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H227	Combustible liquid
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation
NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability : 2 Moderate Hazard - Materials which must be moderately heated or exposed to h temperatures before ignition will occur. Includes liquids having a flash point at or a but below 200 F. (Classes II & IIIA)	
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.

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.