

# SAFETY DATA SHEET

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SECTIC	N 1. IC	<b>DENT</b>	IFICA								
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CAS #: 120	06-85-8			<sup>1</sup>	1	н 1 — 1	<sup>1</sup>	н 1 - 1		<sup>1</sup>	
Relevant id	entified u	ses of t	the subs	stance: S	Scienti	fic resea	rch and	devel	opment	·	
Supplier de	tails:										
Stanford Ad E-mail: sale					1	н 1 — 1	:**	1		: • •	1
Tel: (949) 40	07-8904						<sup>1</sup>				
Address: 23											
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SECTIC	N 2. H		RDS I	DENI	<b>FIFIC</b>	ATIO	N	÷		;	
Classificatio	n <sup>, , ,</sup>					н н н	*				: .
Classificatio	n under 20	)12 QSI		rd Com	nunica	tion Stan	dard (29	CFR 1	910.1200	))	
Label Eleme	ents					1 1					
None requir	ed	·			·			÷			·
Hazards not											
None identif	ied	н 1 — 1			н 1 - 1	н 1. т.			н 1 - 1	1. C	

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component

boride (Fe2B)	
No : 12006 95 9	2

## SECTION 4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.Get medical attention. Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur. Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur. Ingestion Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur. Most important symptoms and effects None reasonably foreseeable. Notes to Physician Treat symptomatically SECTION 5. FIREFIGHTING MEASURES Suitable Extinguishing Media Not combustible. Unsuitable Extinguishing Media No information available Flash Point No information available Method - No information available Autoignition Temperature No information available Explosion Limits Upper No data available Lower No data available

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

Oxides of boron. Iron oxides.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or

equivalent) and full protective gear.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions Ensure adequate ventilation. Use personal protective equipment as required.

Avoid dust formation.

Environmental Precautions Should not be released into the environment. See Section 12 for additional

Ecological Information. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

Methods for Containment and Clean Up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

## **SECTION 7. HANDLING AND STORAGE**

Handling Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation. Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

# SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures None under normal use conditions.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as

#### described

by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection No protective equipment is needed under normal use conditions. Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State Solid		·			·			1	
Appearance No information available									
Odor Odorless			1 1 1			н н н			
Odor Threshold No information available	·			·			·		,
pH No information available									
Melting Point/Range No data available		1			·		; • •	·	:
Boiling Point/Range No information availa	able								
Flash Point No information available		1 1	н н н						,
Evaporation Rate Not applicable	·		1 1 1				1 		,
Flammability (solid,gas) No information a	vailable	<b>;</b>							
Flammability or explosive limits	1 1 1 1	·	н н н	1 1 1	·	н н н	; * *	1 1	
Upper No data available	'			'					
Lower No data available									
Vapor Pressure No information available	· · ·		н н н	·		1 1 1	·		,
Vapor Density Not applicable									
Specific Gravity 7.3 g/cm3			, , ,		·			1	
Solubility No information available	'	1 1 - 1	1 1 1	'		н н н			:
Partition coefficient; n-octanol/water No d	ata ava	ailable	1				·		
Autoignition Temperature No information	availab	ole	1 1			1 1		1	
Decomposition Temperature No information	ion ava	ilable						·	,
Viscosity Not applicable									,
Molecular Formula Fe2 B		н 1 - 1	н 1 - 1		, , ,	н 1 - 1			

	1		1 - 1						
Molecular Weight 122.50		1 1 1					'		
	·			1			1	11	
SECTION 10. STABILITY A		RE	ACTIVI <sup>.</sup>	ΓΥ					
Reactive Hazard None known, based on i	nform	ation a	vailable	: • •	5		111	1	
Stability Stable under normal conditions.				'					
Conditions to Avoid Incompatible products	2								
ncompatible Materials Oxidizing agent	·		н 1 - 1	·			1		
lazardous Decomposition ProductsOxide	es of b	oron, l	ron oxides						
lazardous Polymerization Hazardous pol						1 1			
lazardous Reactions None under normal	proce	essing.	н 1 - 1	'		н 1. т.			
SECTION 11. TOXICOLOG			FORM		<b>DN</b>			5	
cute Toxicity		,							
Product InformationComponent Informatic	on								
oxicologically Synergistic	·			<b>`</b>			1		
Products									
lo information available	: ' '				1		111	1	
Delayed and immediate effects as well as	chror	nic effe	cts from sh	ortan	d long-t	erm exp	osure		
ritation No information available									
Sensitization No information available	· · ·		н н н	·			1 		
lutagenic Effects No information availabl									
Reproductive Effects No information avail	able.	1.1	н 1 - 1	1		1 1	i i		
Developmental Effects No information ava	ailable	).	н 1 - 1	'		н 1. т.			
eratogenicity No information available.	·	. '		·					
STOT - single exposure None known									
STOT - repeated exposure None known	; • •	1		; • •	·			5	
Aspiration hazard No information available									
Symptoms / effects,both acute and delaye	ed		н 1 - 1	'		1 1 1			

No information available Endocrine Disruptor Information No information available Other Adverse Effects The toxicological properties have not been fully investigated. **SECTION 12. ECOLOGICAL INFORMATION** Ecotoxicity May cause long-term adverse effects in the environment. Do not allow material to contaminate ground water system. Persistence and Degradability Insoluble in water May persist Bioaccumulation/ Accumulation No information available. Mobility Is not likely mobile in the environment due its low water solubility.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is

classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

# SECTION 14. TRANSPORT INFORMATION

DOT Not regulated	·		1 	н н н	: ' '	1 	1 1 1	: ' '	·
TDG Not regulated			1						
IATA Not regulated									
IMDG/IMO Not regulated		·			1			1	

# **SECTION 15. REGULATORY INFORMATION**

U.S. Federal Regulations									
SARA 313 Not applicable									
SARA 311/312 Hazard Categories S	See section	1 2 for r	nore info	rmation			1.1		
CWA (Clean Water Act) Not applica	ble								
Clean Air Act Not applicableOSHA -	Occupatio	nal Sa	fety and		1	н н н	111	1.1	
Health Administration	<sup>1</sup>	1						н 1 - 1	
Not applicable									
CERCLA Not applicable		, '						. '	
California Proposition 65 This produ	ct does no	t conta	in any Pro	opositior	65 che	emicals.			
U.S.			1 1						
DOT Severe Marine Pollutant N		1	н н н		н 1 — 1		1.1		
U.S. Department of Homeland Secu	rity			1			1		
This product does not contain any D									
Other International Regulations		·			1			·	
Mexico - Grade No information avail	able								
				· · · · ·					

## **SECTION 16. OTHER INFORMATION**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). 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 applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.