



Product lamentian Product lame	1 Identification
Product name: 5-Chicro-2-methyliberzeneboronic acid Stock number: Construction: Construction: Construction: Deskin of the substance or mixture and uses advised against. Deskin of the substance or mixture and uses advised against. Deskin of the substance or mixture and uses advised against. Deskin of the substance or mixture and uses advised against. Deskin of the substance or mixture and uses advised against. Deskin of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Of the substance or mixture in accordance with 20 CFR 1910 (OSHA HCS) Of the substance or on instruct in accordance with 20 CFR 1910 (OSHA HCS) Of the substance or on instruct in accordance with 20 CFR 1910 (OSHA HCS) <t< td=""><td>1 Identification</td></t<>	1 Identification
Such number: H2C304 GAS Number: H2C304 GAS Number: H2C304 Relevant dentified uses of the substance or printrue and uses advised against. Behavior of the subplier of the substance or printrue and uses advised against. Behavior of the subplier of the substance or printrue and uses advised against. Behavior of the substance or printrue and uses advised against. Behavior of the substance or printrue and uses advised against. Behavior of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) With 2 H316 Causes akin infraion. Store in the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) With 2 H316 Causes akin infraion. Store is 2 H325 May cause regulatory infra	
CASE Manufactor A Manufactor Present divertification uses of the substance or mixture and uses advised against. Present divertification Details of the substance or mixture and uses advised against. Present State Sta	
Relevant John The due so the substance or mitrure and uses advised against. Restriction of the substance or mitrure and uses advised against. Restriction of the substance or mitrure and uses advised against. Restriction of the substance or mitrure and uses advised against. Restriction of the substance or mitrure in accordance with 29 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 29 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 29 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 29 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 29 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 29 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 29 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 29 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 29 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 29 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 29 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 29 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 20 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 20 CFR 1910 (OSHA HCS) Restriction of the substance or mitrure in accordance with 20 CFR 1910 (OSHA HCS) Restriction of the substance of the substance or mitrure in accordance with 20 CFR 1910 (OSHA HCS) Restriction of the substance	CAS Number:
International states State of the substance	
Manufacture/Supplier: 	Identified use: SU24 Scientific research and development
All Asset: Committee Chemicals, Inc. With M. M. 1935-6000 With M. 1935-6000 With M. 1945-6000 Mithia M. 1945-6000 With M. 1945-6000 Mithia M. 1945-6000 All Asset Mithia With M. 1945-6000 All Asset Mithia Mithia M. 1945-6000 All Asset Mithia Mithia Chemicals in concordance with 29 CFR 1910 (OSHA HCS) With State Mithia Mithia Chemicals in concordance with 29 CFR 1910 (OSHA HCS) With State Mithia Mithia Chemicals in concordance with 29 CFR 1910 (OSHA HCS) With State Mithia Mithia Chemicals in concordance with 29 CFR 1910 (OSHA HCS) With State Mithia Mithia Chemicals in concordance with 29 CFR 1910 (OSHA HCS) With State Mithia Mithia Chemicals in concordance with 29 CFR 1910 (OSHA HCS) With State Mithia Mithia Chemicals in concordance with 29 CFR 1910 (OSHA HCS) With State Mithia Mithia Chemicals in concordance with 20 CFR 1910 (OSHA HCS) With State Mithia Mithia Chemicals in concordance with 20 CFR 1910 (OSHA HCS) With State Mithia Mithia Chemicals in concordance with 20 CFR 1910 (OSHA HC	Details of the supplier of the safety data sheet
Thermor Fighter Sciencific Chemicals, Inc. We and Hall. Mark Lines account We applied the table state service of the state service o	Alfa Aesar
Ward right Add 1035-0009 Encoderate - 457 Encoderate - 457	Thermo Fisher Scientific Chemicals, Inc.
Part Biological Construction Provide Status Provide Status	Ward Hill, MA 01835-8099
Training the definition Emergine of the phone number During northing submess hour all (kinday-Friday, Ban-Tom EST), call (800) 343-0680. After normal business hours, call Carechem 24 at (886) 928-0789. 21 Hazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Gestion of the substance or mixture in accordance with 29 CFR 1910 (OSHA H	Tel: 800-343-0660 Fax: 800-322-4757
Information Department: Headt, Safety and Environmental Department Duming owner beams to use Monday-Finday, Bam-Tom EST). call (800) 343-0600. After normal business hours, call Carechem 24 at (866) 928-0789. 2 Hazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Image of the substance of mixture in accordance with 29 CFR 1910 (OSHA HCS) Image of the substance of mixture in accordance with 29 CFR 1910 (OSHA HCS) Image of the substance of mixture in accordance with 29 CFR 1910 (OSHA HCS) Image of the substance of mixture in accordance with 29 CFR 1910 (OSHA HCS) Image of the substance of mixture in accordance with 29 CFR 1910 (OSHA HCS) Image of the substance of the substance of mixture in accordance with 29 CFR 1910 (OSHA HCS) Image of the substance of the s	Email: tech@alfa.com
During market bisiness hours (Monday-Friday, Bam-Tym EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (860) 928-0788. 2 Hazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Over 10 and 10 an	Information Department: Health, Safety and Environmental Department
2 Hazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Image: Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Image: Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) Stor 15: 1 H315 Causes skin initiation. Eye Int: 2A H315 Causes storus eye initation. Hazard(s) identification Homometry initiation. Hazard(s) identification Homometry initiation. Hazard(s) identification Homometry initiation. Hazard(s) identification. Homometry initiation. H315 Causes storus eye initiation. Homometry initiation. H316 Causes storus eye initiation. Homove eyersiton in tesh air and the eyer controlate inses. if present and easy to do. Continue rinsing. Forther H415 Causes eyersiton eyersiton eyersiton in accordance with local/regional/national/international regulations. Homove eyersiton in tesh air and its for breaching. Forther H415 Causes eyersiton eyersiton in accordance with local/regional/national/international regulations. Homometry is eyersite. Classificati	Emergency telephone number: During normal business hours (Monday-Friday, 8am-7pm EST). call (800) 343-0660. After normal business hours. call Carechem 24 at (866) 928-0789.
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) GHS07 Son Int. 2. H315 Causes serious equivination. Type Int: 2A H319 Causes serious equivination. This 2A H319 Causes serious equivination. Hazards not otherwise classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazards not otherwise classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Check Comparison Hazards not otherwise classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Check Comparison Hazards not otherwise classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Check Comparison Hazard plctograms Check Comparison Hazard plctograms Hazard plctograms Check Comparison Hazard Plctograms Hazard Plctograms	
Shin Imit 2. H315 Causes skin initation. Syn Imit 2. Hand information known. Label elements Original Synthesis Original Synthesis Original Synthesis Original Synthesis Synthy Synthesis	
Shin Inti 2 H315 Causes serious eys initiation. Eys Inti. 24 H319 Causes serious eys initiation. STOT SE 343 May causes serious eys initiation. Handon of the series experiatory initiation. Intil 24 H319 Causes serious eys initiation. Stor SE 345 May cause experiatory initiation. Handon of the series experiatory initiation. Stor SE Signal word Warning Handon of Variants Handon experiments H319 Causes serious eys initiation. Handon experiments H32 Causes serious eys initiation. Handon experiments H33 Causes serious eys initiation. Handon experiments H32 Causes serious eys initiation. Handon experiments H33 Causes serious eys initiation. Handon experiments H34 Causes serious eys initiation. Handon experiments H35 Causes serious eys initiation. Handon experiments H35 Causes eys Internet experiments Handon experiments H35 Causes Serious eys initiation. Handon experiments H35 Causes Cause eys Intht experimentation	Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)
Eye Init: 2A H319 Causes services eye initiation. STOT SE3 H33 May cause respiratory initiation. Hazards not otherwise classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Ible elements GHS label elements GHS label elements GHS fabel elements	CHS07
Eye Init: 2A H319 Causes services eye initiation. STOT SE3 H33 May cause respiratory initiation. Hazards not otherwise classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Ible elements GHS label elements GHS label elements GHS fabel elements	V Skin Irrit 2 H315 Causes skin irritation
STOT SE 3 H335 May cause respiratory intation. Label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Maxing product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Maxing product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Maxing product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Maxing product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Maxing product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Maxing product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Maxing product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Maxing product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Maxing product is classified and labeled in accordance with accordance in accordance in accordance with local/regional/national/international regulations. Maxing is classified and acting is a contents/container in accordance with local/regional/national/international regulations. Maxing is classified and acting is a content scontainer in accordance with local/regional/national/international regulations. Maxing is classified and acting is a content scontainer in accordance with local/regional/national/international regulations. Maxing is classified and acting is a content scontainer in accordance with local/regional/national/international regulations. Maxing is	
Label elements GHS label elements GHS label elements the product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) We GHSOT Signal word Warning Hazard statements Hazard statements Hill Causes Hazard statements Hazard statements Haz	STOT SE 3 H335 May cause respiratory irritation.
GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) With a constraint of the product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) GHS07 Signal word Warning Heard statements (H30 Causes serious geve irritation, H33 May cause respiration, H33 May cause respiration, H34 May causerespiration, H34 May cause respiration, H34 May cause	
Hazard pictograms Very Grisor Signal word Warning Hazard statements Signal word Warning Hazard statements Signal word Warning Hazard statements Proceedings skin Initiation Hasa New Grause respiratory initiation. Hasa New Grause respiratory initiation in accordance with local/regional/national/international regulations. Hasa New Grause respiratory initiation in accordance with local/regional/national/international regulations. Hasa New Grause respiratory initiation of tresh air and keep comfortable for breathing. Power Hasa Cause for the state dentification System HMIS ratings (scale 0-4) (Hazardos Material Statement HMIS ratings (scale 0-4) (Hazardos Material Statement Physical Hazard = 1 Other hazards Results of PBI hadd nPvB assessment Verbit Not applicable. 3 Composition/Information on Ingredients Chase Mass Statemes After inhalation Description of first aid measures After site Statement New Statement Ne	GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)
Signal word Warning Hazard statements Hills Causes Skin Initiation Hills Cause Skin Initiation Hills Cause Skin Initiation Hills Cause Skin Initiation Hills Cause	
Signal word Warning Hazard statements Hills Causes Skin Initiation Hills Cause Skin Initiation Hills Cause Skin Initiation Hills Cause Skin Initiation Hills Cause	
Signal word Warning Hazard statements Hill Conservation Signal word Warning Hazard statements Hill Conservation Hill Conservation High Conservation Hill Conservation High Conservation Precautionary statements Head Noval breathing dust/lume/gas/mist/vapours/spray. Precautionary statements Precautionary statements Precaution Precaution Precautions Precautionary statements Preca	
Hazard statements' HaTs Guesse skin irritation. HaTs Quesse skin irritation. Hats Quesse skin irritation. Hats Quesse skin irritation. Passe Statuse respiration of breathing dust/fume/gas/misti/vapours/spray. Passe Weap rotective gloces/protective clothing/eye protection/face protection. Passe Protective gloces/protective clother are an experiment. Passe Protective gloces/protective gloces/protective clother are and protective clother and protective clother and protective clother are and protective clother and protective gloces/protective clother and protective clother and protective clother and protective gloces/protective clother and protective c	GHSU/
Has Causes skin irritation. Has Causes serous eye irritation. Has Solves serous eye irritation. Has Solves event eye irritation. Has Solves event eye irritation. Has Solves event in the distribution of the event in the distribution of the event event event in the event of the event in the event event is the event event event is the event event is the event event event is the event event is the event event is the event event is the event event event is the event event is the event	Signal word Warning
H335 May cause respiratory initiation. Precautionary statements Pareautionary statements Pareautionary statements Pareautionary statements Pareautionary statements Pareautionary statements Pareautions protective gloves/protective cluting/eye protection/face protection. Pareautions protective gloves/protective cluting/eye protective cluting/eye protective cluting/eye protective clutions. WHMIS classification D2B - Toxic material causing other toxic effects WHMIS classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System) HMIS ratings (scale 0-4) (Hazardous Hazardous Heatings (Hazardous Hazardous) HMIS ratings (Hazardous) HMIS ratings (Hazardous) HMIS ratings (Hazardous) HMIS rating	H315 Causes skin irritation.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P260 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P330 /F IN EYES: Rinks caulously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P351+P330 /F IN EYES: Rinks caulously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P351+P330 /F IN EYES: Rinks caulously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P351+P330 /F IN EYES: Rinks caulously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P351+P330 /F IN EYES: Rinks caulously with water and keep continuational/international regulations. WHMIS classification system WHMIS rating: (scale 0-4) (Hazardous Materials Identification System) Withing and the factor effects Pammability = 1 Physical Hazard = 1 Other hazards Scomposition/information on ingredients Chemical characterization: Substances CASH pescription: 148839-33-2 5-Chioro-2-methylbenzeneboronic acid 4 4 First-aid measures After security of first aid measures After security of first aid measures	H319 Causes serious eye irritation. H335 May cause respiratory irritation
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Store incode Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Store incode Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Store incode Dispose of contents/container in accordance with local/regional/national/international regulations. With iter in the effects) = 1 Flammability = 1 Flammability = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CASP Description: 14Bits39x332 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures After inhalation Supply resh air. If reguired, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After site inortacit	Precautionary statements
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Store incode Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Store incode Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Store incode Dispose of contents/container in accordance with local/regional/national/international regulations. With iter in the effects) = 1 Flammability = 1 Flammability = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CASP Description: 14Bits39x332 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures After inhalation Supply resh air. If reguired, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After site inortacit	P201 Avoid breatning dustriume/gas/mistvapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection.
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Store incode Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Store incode Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification Store incode Dispose of contents/container in accordance with local/regional/national/international regulations. With iter in the effects) = 1 Flammability = 1 Flammability = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CASP Description: 14Bits39x332 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures After inhalation Supply resh air. If reguired, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After site inortacit	P305+P351+P338 IF IN EYES: Rinše cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
WHMIS classificationi D2B - Toxic material causing other toxic effects Image: Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System) (Hazardous Materials Identification System) Image: Classification system Health (acute effects) = 1 Flammability = 1 Physical Hazards Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/Information on ingredients Cher hazards: Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/Information on ingredients Cher hazards: Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/Information on ingredients Chescription: - 148839-33-2 5-Chioro-2-methylbenzeneboronic acid 4 First-aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After skin Milowing Seek medical traitment.	P405 Store locked up.
D2B - Toxic material causing other toxic effects Image: Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Image: Classification system Health (acute effects) = 1 Flammability = 1 Physical Hazard = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CASH Description: 148839-332 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures After sin contact Description of first aid measures After inhalation Supply resh air: If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After sin contact Immediately wash with water and scap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After eye ke medical treatment.	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Image: State 0-4) (Hazardous Materials Identification State Identification Insection Identification State	D2B - Toxic material causing other toxic effects
HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Image: State 0-4) (Hazardous Materials Identification State Identification Insection Identification State	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Image: State 0-4) (Hazardous Materials Identification State 0-4) (Hazardous Materials Identification Insection Identification State 0-4) (Hazardous Materials Identification Identification State 0-4) (Hazardous Materials Identification Ide	\bigcirc
(Hazardouš Materials Identification System) Health (acute effects) = 1 Flammability = 1 Physical Hazard = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 148839-33-2 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures Description of first aid measures After inhalation Supply Iresh air. If required, provide artificial respiration. Keep patient warm. Seek Immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek Immedical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	Classification system
Health (acute effects) = 1 Flammability = 1 Physical Hazard = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 148839-33-2 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	HMIS ratings (scale 0-4) (Hazardous Materials Identification System)
Presentation Flammability = 1 Flammability = 1 Physical Hazard = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CASE Description: 148839-33-2 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures Description of first aid measures After shin contact Immediate medical advice. After skin contact Immediate medical advice. After skin contact Immediate medical advice. After swallowing Seek medical region of the several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	
Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 148839-33-2 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact After skin contact Immediate medical advice. After skin contact After sequence Immediate medical advice. After sequence After skin contact Immediate medical advice. After skin contact Ainse openeed eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Ainse openeed eye for several minutes under running water. Then consult a doctor.	FIRE Frammability = 1
Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 148839-33-2 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediate medical advice. After skin contact Immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	
PBT: Not applicable. vPvB: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 148839-33-2 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After sex pende eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	Results of PBT and vPvB assessment
3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 148839-33-2 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	PBT: Not applicable.
Chemical characterization: Substances CAS# Description: 148839-33-2 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	VI VD. NUL APPILADIC.
CAS# Description: 148839-33-2 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	3 Composition/information on ingredients
148839-33-2 5-Chloro-2-methylbenzeneboronic acid 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After swallowing Seek medical treatment.	
Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	
Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	A First aid manauras
After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin constact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After swallowing Seek medical treatment.	After inhalation
After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	Supply fresh air. If required, provide artificial respiration. Keep patient warm.
Seek immédiate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	After skin contact
After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	Seek immédiate medical advice.
	After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.
	(Contd. on page 2
USA –	USA -

Product name: 5-Chloro-2-methylbenzeneboronic acid

(Contd. of page 1)

Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available. 5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Hydrogen chloride (HCl) Boron oxide Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. 6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away Ensure adequate ventilation Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up: Ensure adequate ventilation. Prevention of secondary hazards: No special measures required. Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information. 7 Handling and storage Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available. 8 Exposure controls/personal protection Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Control parameters Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data Exposure controls Exposure controls Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the aves and exin. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. **Breathing equipment:** Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. **Penetration time of glove material (in minutes)** Not determined **Eye protection:** Safety glasses **Body protection:** Protective work clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Solid Color: White Not determined Odor: Odor threshold: Not determined. Not applicable. pH-value: Change in condition Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: 162-166 °C (324-331 °F) Not determined Not determined Not determined. Not determined

Not determined

(Contd. on page 3)

Product name: 5-Chloro-2-methylbenzeneboronic acid

Page 3/4 Printing date 11/24/2015 Reviewed on 04/19/2012

		Reviewed 0/1 04/ 19/2012
Product name: 5-Chloro-2-methylbe	enzeneboronic acid	
		(Contd. of page 2)
Auto igniting:	Not determined.	
Danger of explosion: Explosion limits:	Not determined.	
Lower:	Not determined	
Upper: Vapor pressure:	Not determined Not applicable.	
Density:	Not determined	
Relative density Vapor density	Not determined. Not applicable.	
Evaporation rate	Not applicable. Not applicable.	
Solubility in / Miscibility with Water:	Not determined	
Partition coefficient (n-octanol/water)		
Viscosity: dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information available.	
Conditions to avoid No further relevan Incompatible materials: Oxidizing age Hazardous decomposition products: Carbon monoxide and carbon dioxide	nt information available.	
Boron oxide Hydrogen chloride (HCl)		
Reproductive toxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known. Subacute to chronic toxicity: No effect	kin irritation. prious eye irritation. pown. equate for an assessment of human carcinogenic potential. equate for an assessment of human carcinogenic potential. e r epeated exposure: No effects known. - repeated exposure: May cause respiratory irritation.	
12 Ecological information Toxicity Aquatic toxicity: No further relevant ini Persistence and degradability No furth Bioaccumulative potential No further i Mobility in soil No further relevant infor Additional ecological information: General notes: Do not allow material to be released to to Do not allow undiluted product or large of Avoid transfer into the environment. Results of PBT and vPvB assessmen PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant	her relevant information available. relevant information available. rmation available. the environment without proper governmental permits. quantities to reach ground water, water course or sewage system. ht	
13 Disposal considerations		
Waste treatment methods	or national regulations to ensure proper disposal. nade according to official regulations.	
14 Transport information		
UN-Number		
DOT, ADN, IMDG, IATA	Not applicable	
UN proper shipping name DOT, ADN, IMDG, IATA	Not applicable	
Transport hazard class(es)		
DOT, ADR, ADN, IMDG, IATA Class	Not applicable	
Packing group DOT, IMDG, IATA		
DO1, IMDG, IATA Environmental hazards:	Not applicable Not applicable.	
Environmental hazards: Special precautions for user	Not applicable. Not applicable.	
	x II of MARPOL73/78 and the IBC Code Not applicable.	
Hansport In burk according to ramo,		(Contd on page 4)
		(Contd. on page 4) USA

Safety Data Sheet per OSHA HazCom 2012

Page 4/4 Printing date 11/24/2015 Reviewed on 04/19/2012

Product name: 5-Chloro-2-methylbenzen	eboronic acid
	(Contd. of page 3
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
UN "Model Regulation":	
15 Regulatory information	
Safety, health and environmental regulation GHS label elements The product is classified Hazard pictograms	ns/legislation specific for the substance or mixture and labeled in accordance with 29 CFR 1910 (OSHA HCS)
GHS07	
Signal word Warning Hazard statements H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statements	
P261 Avoid breathing dust/fume/g	gas/mist/vapours/spray. tective clothing/eye protection/face protection. ly with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. on to fresh air and keep comfortable for breathing.
P405 Store locked up.	ner in accordance with local/regional/national/international regulations.
National regulations	
This product is not listed in the U.S. Environme to research and development only. This produc product must not be used for commercial purpo This product is not listed on the Canadian Dom SARA Section 313 (specific toxic chemical is California Proposition 65	ental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricte ct must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This oses or in formulations for commercial purposes. nestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). listings) Substance is not listed.
California Proposition 65 Prop 65 - Chemicals known to cause cancel Prop 65 - Developmental toxicity Substance Prop 65 - Developmental toxicity, female Su	r Substance is not listed. is not listed.
Prop 65 - Developmental toxicity. male Subs	stance is not listed.
Information about limitation of use: For use Other regulations, limitations and prohibitiv	ve regulations
Substance of Very High Concern (SVHC) ac	cording to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the
Substance is not listed. Annex XIV of the REACH Regulations (requ Chemical safety assessment: A Chemical Sa	<i>iring Authorisation for use)</i> Substance is not listed. afety Assessment has not been carried out.
16 Other information Employers should use this information only as information to ensure proper use and protect th conformance with this Material Safety Data Sh	a supplement to other information gathered by them, and should make independent judgement of suitability of this he health and safety of employees. This information is furnished without warranty, and any use of the product not in eet, or in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing E Date of preparation / last revision 11/24/201 Abbreviations and acronyms:	Department 5 / -
ADR: Accord européen sur le transport des marchandises dar	chandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ngereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) nemical Society)
CAS: Chemical Abstracts Service (division of the American CH HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System LCSO: Lethal concentration, 50 percent LDSO: Lethal dose, 50 percent	(Canada)
LDOD. Letring toolse, 50 percent VPVB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hyg OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	ienists (USA)
NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer	
EPA: Environmental Protection Agency (USA)	USA