



1 Identification

Product identifier Product name: Methyl 2-bromobutyrat

Product name: Methyl 2-bromobutyrate
Stock number: L04534
CAS Number: 3196-15-4
EC number:
221-699-0 Relevant identified uses of the substance or mixture and uses advised against.
Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development
Details of the supplier of the safety data sheet Manufacturer/Supplier:
Alfa Aesar Thomas Sciencific Chemicala Inc
30 Bond Street
Ward Hill, MA 01835-8099 Tel: 800-343-0660
Manufacturer/Supplier: Alfa Aesar Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757 Email: tech@alfa.com www.alfa.com
Information Department: Health, Safety and Environmental Department 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.
2 Hazard(s) identification
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)
GHS05 Corrosion
Skin Corr. 1B H314 Causes severe skin burns and eye damage. Eve Dam 1 H318 Causes serious eve damage.
Eye Dam. 1 H318 Causes serious eye damage. Hazards not otherwise classified Lachrymator
Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)
Hazard pictograms
GHS05
Signal word Danger Hazard statements
H314 Causes severe skin burns and eve damage.
Precautionary statements P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P260 Do not breathe dust/fume/gas/mist/vapours/spray. P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
WHMIS classification D2B - Toxic material causing other toxic effects
E - Corrosive material
$\mathbf{O}\mathbf{\Theta}$
Classification system
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)
HEALTH       Parameter         Image: state sta
Flammability = 1       REACTIVITY II       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
CAS# Description: 3196-15-4 Methyl 2-bromobutyrate
Identification number(s): EC number: 221-699-0
4 First-aid measures
Description of first aid measures General information Immediately remove any clothing soiled by the product.
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. (Contd. on page 2)
USA

## Product name: Methyl 2-bromobutyrate

	(Contd. of page 1)
After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	
Information for doctor Most important symptoms and effects, both acute and delayed	
Causes severe skin burns. Causes serious eye damage.	
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 bromide (HBr) 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:	
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent.	
Dispose of contaminated material as waste according to section 13. 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.	
Store away from strong bases. Further information about storage conditions: Keep container tightly sealed.	
Store in cool, dry conditions in well sealed containers.	
Specific end uśe(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: Not required.	
Additional information: No data	
Exposure controls Personal protective equipment	
Concrete investority and burgionic macauras	
Keep away from foodstuffs, beverages and freed.	
The usual protective and mygerinc 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 eyes and skin.	
Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. <b>Breathing equipment:</b> Use suitable respirator when high concentrations are present.	
Protection of hands:	
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.	
The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Eye protection:	
Tightly sealed goggles Full face protection	
Body protection: Protective work clothing.	
9 Physical and chemical properties	
Information on basic physical and chemical properties	
General Information	
Form: Liquid Odor: Not determined	
Odor threshold:     Not determined.       pH-value:     Not determined.	
	(Contd. on page 3)
	USA —

## Product name: Methyl 2-bromobutyrate

Page 3/4 Printing date 11/23/2015 Reviewed on 11/22/2006

		ved on 11/22/2006
Product name: Methyl 2-bromobutyi	rate	
		(Contd. of page 2)
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined 137-138 °C (279-280 °F) (50mm Hg) Not determined	
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	Not determined Not determined. Not determined Not determined.	
Danger of explosion:	Not determined. Product does not present an explosion hazard.	
Explosion limits: Lower: Upper: Vapor pressure: Density at 20 °C (68 °F): Relative density Vapor density	Not determined Not determined 1.45 g/cm³ (12.1 lbs/gal) Not determined.	
Evaporation rate Solubility in / Miscibility with Water:	Not determined. Not determined	
Partition coefficient (n-octanol/water). Viscosity: dynamic:	): Not determined. Not determined.	
kinematic: Other information	Not determined. No further relevant information available.	
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recommend Thermal decomposition / conditions to Possibility of hazardous reactions No Conditions to avoid No further relevant Incompatible materials: Oxidizing agents Bases Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen bromide	<b>to be avoided:</b> Decomposition will not occur if used and stored according to specifications. o dangerous reactions known nt information available.	
LD/LC50 values that are relevant for c Skin irritation or corrosion: Causes se Eye irritation or corrosion: Causes serious eye damage. This product is a lachrymator. Sensitization: No sensitizing effects kno Germ cell mutagenicity: No effects know Carcinogenicity: No classification data Reproductive toxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known.	evere skin burns. nown. aown a on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. wn. <b>v - repeated exposure:</b> No effects known. <b>v - single exposure:</b> No effects known.	
12 Ecological information Toxicity Aquatic toxicity: No further relevant inford Persistence and degradability No furth Bioaccumulative potential No further rom Mobility in soil No further relevant inford Additional ecological information: General notes: Do not allow material to be released to to	nformation available. ther relevant information available. relevant information available. rmation available. the environment without proper governmental permits. quantities to reach ground water, water course or sewage system. <b>nt</b>	
13 Disposal considerations Waste treatment methods Recommendation Consult state, local of Uncleaned packagings: Recommendation: Disposal must be m	or national regulations to ensure proper disposal. nade according to official regulations.	
14 Transport information		
UN-Number DOT, IMDG, IATA	UN1760	
UN proper shipping name DOT IMDG, IATA	Corrosive liquids, n.o.s. (Methyl 2-bromobutyrate) CORROSIVE LIQUID, N.O.S. (Methyl 2-bromobutyrate)	
· · · ·		(Contd. on page 4)

(Contd. on page 4)

oduct name: Methyl 2-bromobutyrate	
Transport hazard class(es)	(Contd. of page
DOT	
V	
Class	8 Corrosive substances.
Label Class	8
Label	8 (C9) Corrosive substances 8
IMDG, IATA	
(1)	
•	
Class Label	8 Corrosive substances. 8
Packing group DOT, IMDG, IATA	
	 Not applicable
Environmental hazards: Special precautions for user	Not applicable. Warning: Corrosive substances
Special precautions for user Transport in bulk according to Annex II of MARPOL73/78 a	Warning: Corrosive substances and the IBC Code Not applicable
Transport in burk according to Annex in or MARPOETS/78 a	
DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	UN1760, Corrosive liquids, n.o.s. (Methyl 2-bromobutyrate), 8, III
Signal word Danger Hazard statements H314 Causes severe skin burns and eye damage. Precautionary statements P260 Do not breathe dust/fume/gas/mist/vapours P303+P361+P353 If on skin (or hair): Take off immediately all P305+P351+P338 IF IN EYES: Rinse cautiously with water for P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT in	s/spray. I contaminated clothing. Rinse skin with water/shower. r several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. duce vomiting.
Signal word Danger Hazard statements H314 Causes severe skin burns and eye damage. Precautionary statements P260 Do not breathe dust/fume/gas/mist/vapours P303+P361+P353 If on skin (or hair): Take off immediately all P305+P351+P338 IF IN EYES: Rinse cautiously with water for P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT inc P405 Store locked up. P501 Dispose of contents/container in accordance National regulations All components of this product are listed in the U.S. Environmed All components of this product are listed on the Canadian Non SARA Section 313 (specific toxic chemical listings) Substa California Proposition 65	duce vomiting. ce with local/regional/national/international regulations. ental Protection Agency Toxic Substances Control Act Chemical substance Inventory. -Domestic Substances List (NDSL). ance is not listed.
Signal word Danger Hazard statements H314 Causes severe skin burns and eye damage. Precautionary statements P260 Do not breathe dust/fume/gas/mist/vapours P303+P361+P353 If on skin (or hair): Take off immediately all P305+P351+P338 IF IN EYES: Rinse cautiously with water for P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT inc P405 Store locked up. P501 Dispose of contents/container in accordance National regulations All components of this product are listed in the U.S. Environme All components of this product are listed on the Canadian Non SARA Section 313 (specific toxic chemical listings) Substa California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is r Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed.	auce vomiting. ce with local/regional/national/international regulations. ental Protection Agency Toxic Substances Control Act Chemical substance Inventory. -Domestic Substances List (NDSL). ance is not listed. not listed. ted.
Signal word Danger Hazard statements H314 Causes severe skin burns and eye damage. Precautionary statements P260 Do not breathe dust/fume/gas/mist/vapours P303+P361+P353 If on skin (or hair): Take off immediately all P305+P351+P338 IF IN EYES: Rinse cautiously with water for P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT inc P405 Store locked up. P501 Dispose of contents/container in accordance National regulations All components of this product are listed in the U.S. Environme All components of this product are listed on the Canadian Non SARA Section 313 (specific toxic chemical listings) Substa California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not list Information about limitation of use: For use only by technica Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the The conditions of restrictions according to Article 67 and market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisa	auce vomiting. ce with local/regional/national/international regulations. ental Protection Agency Toxic Substances Control Act Chemical substance Inventory. n-Domestic Substances List (NDSL). ance is not listed. not listed. listed. ted. rally qualified individuals. <b>REACH Regulations (EC) No. 1907/2006.</b> Substance is not listed. <b>Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on</b> <b>ation for use)</b> Substance is not listed.
Signal word Danger Hazard statements H314 Causes severe skin burns and eye damage. Precautionary statements P260 Do not breathe dust/fume/gas/mist/vapours P303+P361+P353 If on skin (or hair): Take off immediately all P305+P351+P338 IF IN EYES: Rinse cautiously with water for P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT int P405 Store locked up. P501 Dispose of contents/container in accordance National regulations All components of this product are listed in the U.S. Environmed All components of this product are listed on the Canadian Non SARA Section 313 (specific toxic chemical listings) Substat California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not list Information about limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the The conditions of restrictions according to Article 67 and market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisa Chemical safety assessment: A Chemical Safety Assessment	auce vomiting. ce with local/regional/national/international regulations. ental Protection Agency Toxic Substances Control Act Chemical substance Inventory. n-Domestic Substances List (NDSL). ance is not listed. not listed. listed. ted. rally qualified individuals. <b>REACH Regulations (EC) No. 1907/2006.</b> Substance is not listed. <b>Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on</b> <b>ation for use)</b> Substance is not listed.
Signal word Danger Hazard statements H314 Causes severe skin burns and eye damage. Precautionary statements P260 Do not breathe dust/fume/gas/mist/vapours P303+P361+P353 If on skin (or hair): Take off immediately all P305+P351+P338 IF IN EYES: Rinse cautiously with water for P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT inc P405 Store locked up. P501 Dispose of contents/container in accordance National regulations All components of this product are listed in the U.S. Environmed All components of this product are listed on the Canadian Non SARA Section 313 (specific toxic chemical listings) Substat California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not list Information about limitation of use: For use only by technic. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the The conditions of restrictions according to Article 67 and market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisa Chemical safety assessment: A Chemical Safety Assessment to formation bould use this information only as a supplement to information to ensure proper use and protect the health and se	auce vomiting. ce with local/regional/national/international regulations. ental Protection Agency Toxic Substances Control Act Chemical substance Inventory. h-Domestic Substances List (NDSL). ance is not listed. not listed. listed. ted. rally qualified individuals. <b>REACH Regulations (EC) No. 1907/2006.</b> Substance is not listed. <b>Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on</b> <b>ation for use)</b> Substance is not listed. ent has not been carried out.
Signal word Danger         Hazard statements         H314 Causes severe skin burns and eye damage.         Precautionary statements         P303+P361+P353 If on skin (or hair): Take off immediately all         P305+P351+P338 IF IN EYES: Rinse cautiously with water for         P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT inc         P405       Store locked up.         P501       Dispose of contents/container in accordance         National regulations       All components of this product are listed in the U.S. Environmed.         All components of this product are listed on the Canadian Non         SARA Section 313 (specific toxic chemical listings) Substate California Proposition 65         Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity, male Substance is not listed.         Other regulations of restrictions according to Article 67 and market and use must be observed.         Substance is not listed.         Annex XIV of the REACH Regulations (requiring Authorisa Chemical Safety Assessment: A Chemical Safety Assessment to information to ensure proper use and protect the health and se conformance with this Material Safety Data Sheet, or in combinition to ensure proper use and protect the health and se conformance with this Material Safety Data Sheet, or in combinition to ensure proper use and protect the health and se conformance with this Material Safety Data Sheet, or in combinition an	auce vomiting. ce with local/regional/national/international regulations. ental Protection Agency Toxic Substances Control Act Chemical substance Inventory. 1-Domestic Substances List (NDSL). ance is not listed. Iisted. ted. ted. ted. eREACH Regulations (EC) No. 1907/2006. Substance is not listed. Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on ation for use) Substance is not listed. ent has not been carried out. to other information gathered by them, and should make independent judgement of suitability of this afety of employees. This information is furnished without warranty, and any use of the product not is ination with any other product or process, is the responsibility of the user.
Signal word Danger         Hazard statements         H314 Causes severe skin burns and eye damage.         Precautionary statements         P303+P361+P353 If on skin (or hair): Take off immediately all         P305+P351+P338 IF IN EYES: Rinse cautiously with water for         P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT inc         P405       Store locked up.         P501       Dispose of contents/container in accordance         National regulations       All components of this product are listed in the U.S. Environmed.         All components of this product are listed on the Canadian Non         SARA Section 313 (specific toxic chemical listings) Substate California Proposition 65         Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity, male Substance is not listed.         Other regulations of restrictions according to Article 67 and market and use must be observed.         Substance is not listed.         Annex XIV of the REACH Regulations (requiring Authorisa Chemical Safety Assessment: A Chemical Safety Assessment to information to ensure proper use and protect the health and se conformance with this Material Safety Data Sheet, or in combinition to ensure proper use and protect the health and se conformance with this Material Safety Data Sheet, or in combinition to ensure proper use and protect the health and se conformance with this Material Safety Data Sheet, or in combinition an	auce vomiting. ce with local/regional/national/international regulations. ental Protection Agency Toxic Substances Control Act Chemical substance Inventory. 1-Domestic Substances List (NDSL). ance is not listed. Iisted. ted. ted. ted. eREACH Regulations (EC) No. 1907/2006. Substance is not listed. Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on ation for use) Substance is not listed. ent has not been carried out. to other information gathered by them, and should make independent judgement of suitability of this afety of employees. This information is furnished without warranty, and any use of the product not in ination with any other product or process, is the responsibility of the user.
Signal word Danger Hazard statements H314 Causes severe skin burns and eye damage. Precautionary statements P260 Do not breathe dust/fume/gas/mist/vapours P303+P361+P353 If on skin (or hair): Take off immediately all P305+P351+P338 IF IN EYES: Rinse cautiously with water for P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT inc P405 Store locked up. P501 Dispose of contents/container in accordance National regulations All components of this product are listed in the U.S. Environmed All components of this product are listed on the Canadian Non SARA Section 313 (specific toxic chemical listings) Substat California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not list Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not list Information about limitation of use: For use only by technic. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the The conditions of restrictions according to Article 67 and market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisa Chemical safety assessment: A Chemical Safety Assessment Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015/- Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Assistion of the American Chemical Substances CAS: Chemical Alstracts Service (division of the American Chemical Substances CAS: Chemical Alstracts Service (division of the American Chemical Substances CAS: Chemical Alstracts Service (division of the American Chemical Substances CAS: Chemical Alstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA)	auce vomiting. ce with local/regional/national/international regulations. ental Protection Agency Toxic Substances Control Act Chemical substance Inventory. 1-Domestic Substances List (NDSL). ance is not listed. not listed. listed. ted. ally qualified individuals. <b>REACH Regulations (EC) No. 1907/2006.</b> Substance is not listed. <b>Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on</b> <b>ation for use)</b> Substance is not listed. ant has not been carried out. o other information gathered by them, and should make independent judgement of suitability of this afety of employees. This information is furnished without warranty, and any use of the product not
Signal word Danger Hazard statements H314 Causes severe skin burns and eye damage. Precautionary statements P260 Do not breathe dust/fume/gas/mist/vapours P303+P361+P353 If on skin (or hair): Take off immediately all P305+P351+P338 IF IN EYES: Rinse cautiously with water for P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT inc P405 Store locked up. P501 Dispose of contents/container in accordance National regulations All components of this product are listed in the U.S. Environmed All components of this product are listed on the Canadian Non SARA Section 313 (specific toxic chemical listings) Substat California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not list Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not list Information about limitation of use: For use only by technic. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the The conditions of restrictions according to Article 67 and market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisa Chemical safety assessment: A Chemical Safety Assessment Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015/- Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Assistion of the American Chemical Substances CAS: Chemical Alstracts Service (division of the American Chemical Substances CAS: Chemical Alstracts Service (division of the American Chemical Substances CAS: Chemical Alstracts Service (division of the American Chemical Substances CAS: Chemical Alstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA)	auce vomiting. ce with local/regional/national/international regulations. ental Protection Agency Toxic Substances Control Act Chemical substance Inventory. 1-Domestic Substances List (NDSL). ance is not listed. Iisted. ted. ted. ted. eREACH Regulations (EC) No. 1907/2006. Substance is not listed. Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on ation for use) Substance is not listed. ent has not been carried out. to other information gathered by them, and should make independent judgement of suitability of this afety of employees. This information is furnished without warranty, and any use of the product not in ination with any other product or process, is the responsibility of the user.
H32ard statements         H314 Causes severe skin burns and eye damage.         Precautionary statements         P260       Do not breathe dust/fume/gas/mist/vapours         P303+P361+P353 If on skin (or hair): Take off immediately all         P305+P351+P338 IF IN EYES: Rinse cautiously with water for         P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT inc         P405       Store locked up.         P501       Dispose of contents/container in accordance         National regulations       All components of this product are listed in the U.S. Environmed         All components of this product are listed on the Canadian Notes       California Proposition 65         Prop 65 - Chemicals known to cause cancer Substance is not listed.       Prop 65 - Developmental toxicity Substance is not listed.         Prop 65 - Developmental toxicity, female Substance is not listed.       Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity, female Substance is not listed.       Prop 65 - Developmental toxicity, female Substance for and market and use must be observed.         Substance is not listed.       Annex XIV of the REACH Regulations (requiring Authorisa Chemical safety assessment: A Chemical Safety Assessment to information to ensure proper use and protect the health and seconformance with this Material Safety Data Sheet, or in combition to ensure proper use and protect the health and seconformance with this Material Safety Data Sheet, or in combition         Department is	auce vomiting. ce with local/regional/national/international regulations. ental Protection Agency Toxic Substances Control Act Chemical substance Inventory. 1-Domestic Substances List (NDSL). ance is not listed. Iisted. ted. ted. ted. eREACH Regulations (EC) No. 1907/2006. Substance is not listed. Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on a ation for use) Substance is not listed. ent has not been carried out. to other information gathered by them, and should make independent judgement of suitability of this afety of employees. This information is furnished without warranty, and any use of the product not i ination with any other product or process, is the responsibility of the user.