



1 Identification
Product identifier Product name: <b>5-Chloro-2-fluorobenzaldehyde</b>
Stock number: H26187 CAS Number:
96515-79-6 <b>Relevant identified uses of the substance or mixture and uses advised against.</b> Identified use: SU24 Scientific research and development
Details of the supplier of the safety data sheet
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
Email: tech wana.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)
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H335 May cause respiratory irritation. Hazards not otherwise classified No information known.
Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms
GHS07
Signal word Warning         Hazard statements         H315 Causes skin irritation.         H319 Causes serious eye irritation.         H335 May cause respiratory irritation.         H335 May cause respiratory irritation.         Precautionary statements         P261       Avoid breathing dust/fume/gas/mist/vapours/spray.         P280       Wear protective gloves/protective clothing/eye protection/face protection.         P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.         P304+P340       IF INHALED: Remove person to fresh air and keep comfortable for breathing.         P405       Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations. <b>WHMIS classification</b> D2B - Toxic material causing other toxic effects
$(\mathbf{T})$
Classification system HMIS ratings (scale 0-4) (Hencerideus Materiala Identification Sustem)
(Hazardous Materials Identification System)         HEALTH       I       Health (acute effects) = 1         FRE       I       Flammability = 1         REACTIVITY       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: 96515-79-6 5-Chloro-2-fluorobenzaldehyde
4 First-aid measures
Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm.
Seek îmmediate 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. (Contd. on page 2)

## Product name: 5-Chloro-2-fluorobenzaldehyde (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 fluoride (HF) Hydrogen chloride (HCI) 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 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). Ensure adequate ventilation. 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 air. Further information about storage conditions: Store under dry inert gas. 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 Personal protective equipment The usual 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 eyes and skin. Maintain an ergonomically appropriate working environment. Breathing equipment: 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. 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: Liauid Color: Colorless Odor: Not determined Odor threshold: Not determined pH-value: Not determined. Change in condition Melting point/Melting range: Boiling point/Boiling range: Not determined Not determined

## Product name: 5-Chloro-2-fluorobenzaldehvde

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Sublimation temperature / start         Not determined         (Con           Plast point, Flammability (celid, gaseous)         Not determined with determined allow galiates.         Not determined with determined allow galiates.         Not determined with determined wi	on 05/04/2007	name: 5-Chloro-2-fluorobenzaldehyde			
Sublimation temperature / start:         Not determined           Firsh point:         Not determined           Firsh point:         Not determined           Auto particle:         Not determined           Upper Service:         Not determined           Vegot pressure:         Not determined           Stability in Nimeshoft Nrvv         Not determined           Stability in Nimeshoft Nrvv         Not determined           Of the Intermined         Not determined           Stability in Nimeshoft Nrvv         Not determined           Materia Nrvv         Not determined           Stability in Nimeshoft Nrvv         Not determined           Materia Nrvv         Not determined           Stability and reactivity	Contd. of page 2)				
Paramability (solid gaseouts)         Mod description           Parage of variables         Mod description           Parage of variables         Mod description           Lower         Mod description           Parage of variables         Mod description           O Stability and reactify in control         Mod description           Control		iblimation temperature / start: Not determined			
Britishing environmentation         Not determined           Damper of explosion:         Product does not present an explosion hazard.           Lower         Lower           Upper:         Not determined           Velocities         Not determined           Upper:         Not determined           Velocities         Not determin		h point: Not determined			
Association temperature:         Mcd determined Mcd determined Mcd determined Perglosision hinks:           Perglosision hinks:         Product daes not present an explosion hazard.           Lower:         Ard determined Mcd determin		Imability (solid, gaseous) Not determined.			
Auto dipriming:         Not determined           Derger of explosion:         Product determined           Logar         Multiple explosion:         Not determined           Derger of explosion:         Not determined           Derger of explosion:         Not determined           Dersity:         Not determined           Dersity:         Not determined           Dersity:         Not determined           Dersity:         Not determined           Versity:         Not determined           Partition coefficient (n-octanol/water): Not determined         Not determined           Versity:         Not determined           Versity:         Not determined           Multiple information:         Not determined           Multiple information:         Not determined           Distribution and resolutivity         Not determined           Conditions to avoid No Unifier relevant information available.         Not state:           Conditions to avoid No Unifier relevant information in available.         Not state:           Persity:         Not determined           Persity:         Not determined           Marcolines to avoid No Unifier relevant information available.         Not determined           Not mitatin:         Not determined		omposition temperature: Not determined			
Explosion limits: Net determined Vapor: Net determined Vapor: Net determined Vapor pressure: Net determined Vapor pressure: Net determined Vapor pressure: Net determined Vapor density Sabe under recommended strage conditions. Conditions to vapor density Net determined Vapor density Sabe under recommended strage conditions. Conditions to vapor density Net determined Vapor density N					
Lower: Modelermined Ward pressure: Modelermined Ward of the service of the serv		ger of explosion: Product does not present an explosion hazard.			
Upper:         Not determined with a description           Particle density         Not determined with and reactivity           O Stability and reactivity           Practice Sector with and the determined with determined with determined with and reactivity           O Stability and reactivity           Practice With and reactivity           O Stability and reactivity           Practice With and reactivity           Provide With and reactivity           Protecle With and reactivity<					
Nable pressure:         Not determined behavior           Peak of the start Vapor density         Not determined with the start of the start vapor density         Not determined with the start of the start vapor density           Value of the start value of the start valu		per: Not determined			
Relative density Mot determined. Version density Mot determined. Version density Mot Miscibility with Musc Density with Mot Relative Mot Addition Mot Miscibility in / Miscibility with Musc Density Mot Media Motion Mot Miscibility in / Miscibility with Musc Density Mot Media Motion Mot Miscibility in / Miscibility with Musc Density Mot Media Motion Mot Miscibility in / Miscibility with Musc Density Mot Media Motion Addition Additi		or pressure: Not determined			
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Soliability in / Miscibility with two marked of a constraints of the c		or density Not determined.			
Wateric Treations         Mort Proceedings           Provide of the output of the ou					
Viscosity: ''''''''''''''''''''''''''''''''''''		ater: Not miscible or difficult to mix			
dynamic:         Mcd dolarmined.           Other Internation         Not determined.           Mean Internation         No further relevant information available.           Other Internation         No further relevant information available.           Disblifty and reactivity         No further relevant information available.           Pressibility of Information         No further relevant information available.           Carbon monoxide (ACC)         No further relevant information available.           If Oxicological Information         No further relevant information in toxicological effects           Acute toxicity: No effects known.         Section monoxide (ACC)           DLCSD values that are relevant toxicity - repeated exposure: No effects known.         Section monoxide (ACC)           Section and available from the EPA, IARC, NTP, OSHA or ACGH.         Section for available.           Advantage of generation from available.         No further relevant information available.           Section for available.         No further relevant information available.           Provide available from the EPA, IARC, NTP, OSHA or ACGH.         Section favailable.					
Other Information         No further relevant information available.           0 Stability and reactivity           Reactivity to information known.           Chemical stability Stabile under recommended storage conditions.           Thermal decomposition of conditions to be avoided. Decomposition           Conditions to avoid No further relevant information available.           Anonpatibe materials:           Anonpatibe admonstration available.           Anonpatibe admonstration           Anonpatibe admonstration           Anonpatibe admonstration           Anonpatibe admonstration           Conditions to avoid No further relevant information available.           Anonpatibe admonstration           Anonpatibe admonstration           Internation on toxicological effects           LDLCSO velocities in a relevant for classification: No data           Stability No daskifungeno data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGHI.           Generation on toxicological effects known.           Specific argo organ system toxicity - separated exposure: No effects known.           Specific argo organ system toxicity - single exposure: No effects known.           Specific argo organ system toxicity - single exposure: No effects known.           Specific argo organ system toxicity - single exposure: No effects known.           Specific argo organ system tox		namic: Not determined.			
O Stability and reactivity         Reactivity No information known.         Commicel stability Stable under recommended storage conditions.         Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications.         Consultity O hazardous reactions No damperios Reactions for Konown         Dyndlang agents         Updiang agents         Heardous decomposition products:         Carbon monoxide and carbon dioxide         Primage Induction (PCO)         11 Toxicological information         Information or corrosolor: Causes serious eve initiation.         Sensitization or corrosolor: Causes serious eve initiation.         Sensitization: No sensitization for corrosolor: Causes serious eve initiation.         Sensitization: No sensitization for corrosolor: Causes serious eve initiation.         Sensitization: No sensitization for corrosolor: Causes serious eve initiation.         Sensitization: No sensitization for corrosolor: Causes serious eve initiation.         Sensitization: No sensitization for corrosolor: Causes serious eve initiation.         Sensitization: No sensitization for corrosolor: Causes serious eve initiation.         Sensitization: Sensitization for corrosolor: Causes serious eve intervine event information.         Carcinogenicity: No lobestification and an carcinogenic properties of this material is available from the EPA. IARC, NTP, OSHA or ACGIH.         Reporedun					
Reactivity No information / conditions to be avoided: becomposition will not occur if used and stored according to specifications.           Chemical Statistify Stable under recommended storage conditions.           Chemical Statistify Stable under recommended storage conditions.           Chemical Statistify Stable under recommended storage conditions.           Chemical Statistify The deviant information available.           Condumn genesis           Attractions and comparison of a conditions.           Attractions and conditions and conditions.           Information on toxicological effects.           Accurate toxicity: No effects known.           LDLCSD velocities that are relevant for classification: No data Skin infration.           Skin Infration or correstor.           Causes skin under toxicological offects.           Accurate toxicity: No effects known.           Carcinogenicity: No effects known.           Germ cell mutagenicity: No effects known.           Germ cell mutagenicity: No effects known.           Specific argon organ system toxicity - repeated exposure: No effects known.           Specific argon organ system toxicity - specific argon available.           Additional coxicological information           Voicity           Againet organ system toxicity - repeated exposure: No effects known.           Specific argon organ system toxicity - repeated exposure: May eclassing withown.					
Information       Information         Information on toxicological effects         Acute toxicity: No effects known.         LD/LCS0 values that are relevant for classification: No data         Skin initiation or corrosition: Causes skin initiation.         Gern cell mutagenicity: No effects known.         Garciolagenicity: No effects known.         Garciolagenicity: No effects known.         Specific target organ system toxicity: - repeated exposure: No effects known.         Specific target organ system toxicity: - repeated exposure: No effects known.         Aspiration formation         Subia initiation toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.         22 Ecological information         Toxicity         Additional toxicological information available.         Paration from the origical information available.         Paration from the origical information available.         Additional ecological information         Additional ecological information         Avoid transfer find the environment without proper governmental permits.         Advoid transfer find the environment without proper governmental permits.         Advoid transfer find the anorent information available.         Stopscal considerations         Waste transment methods         Recommendation Consult state, local o	Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions No dangerous reactions known Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Air Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen fluoride				
Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Additional ecological information: General notes: Do not allow material to be released to the environment without proper governmental permits. Avoid transfer into the environment. Results of PBT and vPVB assessment PBT: Not applicable. vPvB: Not applicable.         13 Disposal considerations Recommendation: Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made 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         UN proper shipping name DOT, ADN, IMDG, IATA Not applicable         UN proper shipping name DOT, ADN, IMDG, IATA Not applicable         Parking group DOT, ADR, ADN, IMDG, IATA Not applicable         Packing group DOT, ADR, ADN, IMDG, IATA Not applicable		Acute toxicity: No effects known. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes skin irritation. Eye irritation or corrosion: Causes serious eye irritation. Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No effects known. Carcinogenicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration hazard: No effects known.			
Waste treatment methods         Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings:         Recommendation: Disposal must be made 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         UN proper shipping name DOT, ADN, IMDG, IATA       Not applicable         DT, ADN, IMDG, IATA       Not applicable         Packing group DOT, ADR, IMDG, IATA       Not applicable		Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Additional ecological information: General notes: Do not allow material to be released to the environment without proper governmental permits. Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. VPvB: Not applicable.			
UN-Number       Not applicable         DOT, ADN, IMDG, IATA       Not applicable         UN proper shipping name       Not applicable         DOT, ADN, IMDG, IATA       Not applicable         Transport hazard class(es)       UN proper shipping, IATA         DOT, ADR, ADN, IMDG, IATA       Not applicable         Packing group       Not applicable         DOT, IMDG, IATA       Not applicable		Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings:			
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Transport hazard class(es)         DOT, ADR, ADN, IMDG, IATA         Class         Packing group         DOT, IMDG, IATA         Not applicable		r, ADN, IMDG, IATA Not applicable			
DOT, ADR, ADN, IMDG, IATA     Not applicable       Packing group DOT, IMDG, IATA     Not applicable					
Packing group DOT, IMDG, IATA Not applicable		DOT, ADR, ADN, IMDG, IATA			
	contd. on page 4) USA				

Environmental hazards:       Not applicable.         Special proceations for user       Not applicable.         Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.       Transport/Additional Information:         DOT       Marine Polituant (DOT):       No         UN * Model Regulation?:       No         UN * Model Regulation?:       No         Stepsil provide the polituant (DOT):       No         UN * Model Regulation?:       Stepsil provide the polituant (DOT):         Stepsil provide the and environmental regulations/legislation specific for the substance or mixture GMS label belowners the product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)         Hazard pictograms       Stepsil stepsil belowners the product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)         Hazard pictograms       Stepsil belowners the product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)         Hazard pictograms       Stepsil belowners the product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)         Proceautionary statements       Product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)         Proceautionary statements       Proceautionary statements         Proceautionary statements       Proceautionary statements         Proceautionary statements       Proceautionary statements         Patterners and developmen		Reviewed on 05/04/2007
Environmental hazards:         Not applicable.           Special pressuotions for user         Not applicable.           Transport in bulk according to Annex II of MARPOLT3/T8 and the IBC Code Not applicable.         Transport/Additional information:           Transport/Additional information:         No           Marine Pollutant (DOT):         No           UN: "Model Regulation":         -           57 Regulatory. Information         Select, health and environmental regulations/Registation specific for the substance or mixture ofts bale elements. The product is classified and labeled in accordance with 20 CFR 1910 (OSHA HCS)           Select, health and environmental regulations/Registation specific for the substance or mixture ofts bale elements. The product is classified and labeled in accordance with 20 CFR 1910 (OSHA HCS)           With Courses serious approximation of the substance or mixture	Product name: 5-Chloro-2-fluorobenzaldehyde	
Environmental hazards:         Not applicable.           Special pressuotions for user         Not applicable.           Transport in bulk according to Annex II of MARPOLT3/T8 and the IBC Code Not applicable.         Transport/Additional information:           Transport/Additional information:         No           Marine Pollutant (DOT):         No           UN: "Model Regulation":         -           57 Regulatory. Information         Select, health and environmental regulations/Registation specific for the substance or mixture ofts bale elements. The product is classified and labeled in accordance with 20 CFR 1910 (OSHA HCS)           Select, health and environmental regulations/Registation specific for the substance or mixture ofts bale elements. The product is classified and labeled in accordance with 20 CFR 1910 (OSHA HCS)           With Courses serious approximation of the substance or mixture		(Contd. of page 3)
Transport In bulk according to Annex I of MARPOL7378 and the IBC Code Not sppicable. Transport Additional Information: OT Marine Pollutant (DOT): No UN Model Regulation':	Environmental hazards:	
Transport/Additional Information: DOT Marine Pollutant (DOT): No UN "Model Regulation": Security, health and environmental regulations/Registation specific for the substance or mixture Security, health and environmental regulations/Registation specific for the substance or mixture Security, health and environmental regulations/Registation specific for the substance or mixture Security, health and environmental regulations/Registation specific for the substance or mixture Security, health and environmental regulations/Registation specific for the substance or mixture Security of the SecUre or mixel build by for directly under a decimal purpose. Security of the substance or mixel build by for directly under a decimal purpose. Security of the substance or mixel build by for directly under a decimal purpose. Security of the substance or mixel build by for directly under a decimal purpose. Security of the substance or mixel bui	Special precautions for user	Not applicable.
DOT       No         Windowski (DOT):       No         UN "Model Regulation":       -         51 Regulation: Information       -         Satety, health and environmental regulations/legislation specific for the substance or mixture of the babel elements. The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) traard priceograms	Transport in bulk according to Annex II of MARPOL73/78 and the I	BC Code Not applicable.
Marine Pollutant (DOT):       No         UN "Model Regulation":       -         Stepulation:       -         Stepulat	Transport/Additional information:	
UN "Model Regulation":		
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ship, heim and environmental regulations/legislation specific for the substance or mixture by Seven and pictograms GHS000 GHS000 GHS00 GHS000 GHS000 GHS000 GHS000 GHS00		-
GHS label elements       The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)         Maard plotograms       Generation of the product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)         GHS07       Signal word Warning         Maard Statements       Mark State Statements         Mission State Statements       Mark Statements         Proceeding and the product is classified and labeled in accordance with local/regional mutus. Remove contact lenses, if present and easy to do. Continue rinsing.         P304-P351 HS12S: Rinse caulously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.         P304-P351 HS12S: Rinse caulously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.         P304-P351 HS12S: Rinse caulously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.         P304-P351 HS12S: Rome caulously with water for several minutes. Remove contact lenses is product is restricted to research and development tory. This product must be used by or directify under the supervision of a technically qualified individual as defined by TSCA. This classifier and development in our only. This product must be used in the loss.         GHAF A Section 315 (peorific monitoring product is not listed.         Prop 65 - Chewlognmental toxicity. Substance is not listed.         Prop 65 - Chewlognmental toxicity. Substance is not listed.         Prop 65 - Chewlognmental toxicity. Substance is not listed.	15 Regulatory information	
Signal word Warning Hazard statements Hill Causes Statements Hill Causes Hill Cause respiratory intration. Hill Causes Hill Cause Hi	Safety, health and environmental regulations/legislation specific for GHS label elements The product is classified and labeled in accordance	or the substance or mixture ce with 29 CFR 1910 (OSHA HCS)
Hazard statements His 15 Causes skin initiation, His 15 Causes skin initiation, His 15 Causes skin initiation, His 20 Causes and Causes and Causes and Causes and Causes and Causes, His 20 Causes and Causes	GHS07	
Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.  Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / - Abbreviations and acronyms:  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) DOT: US Department of Transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) DOT: US Department inflication System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal dose, 50 percent UD50: Usthal dose, 50 percent PV::: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency (for Research on Cancer EPA: Environmental Protection Agency (USA)	Hazard statements         H315 Causes skin irritation.         H315 Causes serious eye irritation.         H335 May cause respiratory irritation.         Precautionary statements         P261       Avoid breathing dust/fume/gas/mist/vapours/spray.         P280       Wear protective gloves/protective clothing/eye prote         P305+P351+P338 IF IN EYES: Rinse cautiously with water for several         P304+P340       IF INHALED: Remove person to fresh air and keep of         P405       Store locked up.         P501       Dispose of contents/container in accordance with loc         National regulations       This product is not listed in the U.S. Environmental Protection Agency 1         to research and development only. This product must be used by or dire         product must not be used for commercial purposes or in formulations fo         SARA Section 313 (specific toxic chemical listings) Substance is not         Prop 65 - Chemicals known to cause cancer Substance is not listed.         Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity, male Substance is not listed.         Prop 65 - Developmental toxicity, male Substance is not listed.         Prop 65 - Developmental toxicity, for use only by technically qualif         Other regulations, limitations and prohibitive regulations         Substance of Very High Concern (SVHC) according t	comfortable for breathing. cal/regional/national/international regulations. Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted ectly under the supervision of a technically qualified individual as defined by TSCA. This or commercial purposes. I listed. Fied individuals. Regulations (EC) No. 1907/2006. Substance is not listed. VII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the
Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) DOT: US Department of Transportation CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHIMIS: Workplace Hazardous Materials Information System (Canada) LCSO: Lethal concentration, 50 percent UDSO: Lethal concentration, 50 percent VPW: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency (ISA)	conformance with this Material Safety Data Sheet, or in combination wit	formation gathered by them, and should make independent judgement of suitability of this mployees. This information is furnished without warranty, and any use of the product not in the any other product or process, is the responsibility of the user.
EPA: Environmental Protection Agency (USA)	Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / - Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European / DOT: US Department of Transportation CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LCS0: Lethal concentration, 50 percent	
	EPA: Environmental Protection Agency (USA)	