221 Rochester Street

Page E1 of E2

Section 1

Chemical Product and Company Identification

Innovating Science[®] by Aldon Corporation

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

Product ACETONE Synonyms 2-Propanone / Dimethyl Ketone / Solvent Section 2 Hazards Identification Signal word: DANGER Procautionary statement: Pictograms: Central nervous system P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Farget organs: Central nervous system P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Fight Scassification: P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Flammable liquid (Category 2) P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Fye irritation: P243: Take precautionary measures against static discharge. Fye irritation (Category 2) P243: Take precautionary measures against static discharge. Fye irritation (Category 2) P243: Take precautionary measures against static discharge. Fye irritation (Category 2) P243: Take precautionary measures against static discharge. Fye irritation (Category 2) P241: Use entylocors or in a well-ventilated area. Fye irritation. P242: Use only outdoors or in a well-ventilated area. Fye irritation. P336: May cause drowsiness or dizziness. Supplemental information: Repeated exposure may cause skin dryness or cracking. Repeated exposure may cause skin dryness or cracking.	"cutting edge science for the classroor	Aven NV 14414 0400	For laboratory use only. Not for drug, food or household use.
 Signal word: DANGER Pictograms: GHS02 / GHS07 Target organs: Central nervous system Parce organs: Central nervous system P240: Ground/bond container and receiving equipment. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P243: Take precautionary measures against static discharge. P243: Take precautionary measures against static discharge. P244: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P243: Take precautionary measures against static discharge. P244: Wash hands thoroughly after handling. P245: Wash hands thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye 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. P337+P371: If eye inritation persists: Get medical attention. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breating. P314: Call a POISON CENTER or doctor if you feel unwell. P370+P378: In case of fire: Use dry chemical, alcohol foam, carbon dioxide or water spray to extinguish. P405+P233: Store in a well-ventilated place. Keep container tightly closed. P405+P233: Store in a well-ventilated place. Keep container tightly closed. P405+P233: Store in a well-ventilated place. Keep container tightly closed. P405+P233: Store in a well-ventilated place. Keep container to a licensed chemical disposal agency in 			
 Pictograms: GHS02 / GHS07 Target organs: Central nervous system P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P240: Ground/bond container and receiving equipment. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P244: Wash hands thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P264: Wash hands thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P264: Wash hands thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P260: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting equipment. P242: Use only non-sparking tools. P242: Use only outdoors or in a well-ventilated area. P261: Koold breathing. P271: Use only outdoors or in a well-ventilated area. P261: Koold breathing. P271: Use only outdoors or in a well-ventilated place. Keep container tightly closed. P403+P233: Store in a well-ventilated place. Keep container tightly closed. P403+P235: Store in a well-ventilated place. Keep container tightly closed. P403+P235: Store in a well-ventilated place. Keep container tightly closed. P403+P235: Store in a well-ventilated place. Keep container tightly closed. P403+P235: Store in a well-ventilated place. Keep container tightly closed. P403+P235: Store in a well-ventilated place. Keep container tightly closed. P403+P235: Store in a well-ventilated place. Keep container tightly closed. P403+P235: Store in a well-ventilated place. Keep container tightly	Section 2 Hazards Identification		
	Pictograms: GHS02 / GHS07 Target organs: Central nervous system GHS Classification: Flammable liquid (Category 2) Eye irritation (Category 2A) STOT-SE (Category 3) GHS Label information: Hazard statement: H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. Supplemental information:	P210: Keep away P240: Ground/bon P241: Use explosi P242: Use only no P243: Take preca. P261: Avoid breatt P264: Wash hands P271: Use only ou P280: Wear protec P305+P351+P338 Remove contact le P337+P313: If eye P303+P361+P253 clothing. Rinse ski P304+P340: IF IN breathing. P312: Call a POIS P370+P378: In ca: spray to extinguist P403+P233: Store P405+P235: Store	from heat/sparks/open flames/hot surfaces. No smoking. di container and receiving equipment. on-proof electrical/ventilating/lighting equipment. in-sparking tools. titionary measures against static discharge. hing mist/vapours/spray. s thoroughly after handling. titdoors or in a well-ventilated area. ctive gloves/protective clothing/eye protection/face protection. t: F IN EYES: Rinse cautiously with water for several minutes. enses, if present and easy to do. Continue rinsing. e irritation persists: Get medical attention. : IF ON SKIN (or hair): Take off immediately all contaminated n with water/shower. HALED: Remove person to fresh air and keep comfortable for ON CENTER or doctor if you feel unwell. se of fire: Use dry chemical, alcohol foam, carbon dioxide or water 1. e in a well-ventilated place. Keep container tightly closed. e locked up. Keep cool. contents/container to a licensed chemical disposal agency in

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

Section 3	Composition / Information on Ingredients					
Chemical Name		CAS #	%	EINECS		
Acetone		67-64-1	100%	200-662-2		
Section 4	First Aid Measures	1				

INGESTION: HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SEVERE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: REPEATED OR PROLONGED CONTACT MAY CAUSE DRYING AND DEFATTING OF SKIN. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 **Fire Fighting Measures**

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Acetone is extremely flammable and its vapors form explosive mixtures with air. Dangerous when exposed to heat, sparks, flame or oxidizing agents.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Remove all sources of ignition. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances. Keep away from ignition sources.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
	Acetone	TWA: 500 ppm; STEL: 750 ppm	TWA: 1000 ppm / 2400 mg/m ³	TWA: 250 ppm / 590 mg/m ³

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9 Physical & Chemical Prop	perties	
Appearance: Clear, colorless liquid. Odor: Pungent odor. Odor threshold: Data not available. pH: Data not available. Melting / Freezing point: Approximately 95°C (139°F) Boiling point: 56°C (133°F) Flash point: -20°C (-4°F) CC	Evaporation rate (Butyl acetate = 1): 7.7 Flammability (solid/gas): Data not available. Explosion limits: Lower / Upper: 2.5% / 12.8% Vapor pressure (mm Hg): 180 Vapor density (Air = 1): 2.00 Relative density (Specific gravity): 0.8 Solubility(ies): Soluble in water.	Partition coefficient: (n-octanol / water): Log Pow:24 Auto-ignition temperature: 465°C (869°F) Decomposition temperature: Data not available. Viscosity: Data not available. Molecular formula: CH ₃ COCH ₃ Molecular weight: 58.08
Continue 10 Stability & Departivity		

Section 10 Stability & Reactivity

Chemical stability: Stable

Hazardous polymerization: Will not occur.

Conditions to avoid: Excessive temperatures, heat, sparks, open flame and other sources of ignition.

Incompatible materials: Chloroform, chromic anhydride, hydrogen peroxide, nitric compounds, acids, strong oxidizers, alkalies.

Hazardous decomposition products: Oxides of carbon.

Section 11 Toxicological Information

Acute toxicity: Oral-rat LD50: 5,800 mg/kg ; Inhalation-rat LC50: 76 mg/L/4 hours

Skin corrosion/irritation: Skin-rabbit - Slight irritant.

Serious eye damage/irritation: Eyes-rabbit - Severe irritant.

Respiratory or skin sensitization: Data not available

Germ cell mutagenicity: Data not available Carcinogenity: Data not available

carcinogenity. Data not available

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Data not available

STOT-single exposure: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

STOT-repeated exposure: Data not available

Aspiration hazard: Data not available

Potential health effects:

Inhalation: Inhalation may cause cough, sore throat, confusion, headache, dizziness, drowsiness, unconsciousness.

Ingestion: Ingestion causes nausea, vomiting, and other symptoms same as inhalation.

Skin: Contact with skin causes irritation, dry and/or defatting on prolonged contact.

Eyes: Contact with eyes causes redness, pain and blurred vision.

Signs and symptoms of exposure: See Potential health effects above. Exercise appropriate procedures to minimize potential hazards.

Additional information: RTECS #: AL3150000

Section 12 Ecological Information

oxicity to fish: Gambusia affinis (fish, fresh water), LC50 = 13,000 mg/L/48 hours oxicity to daphnia and other aquatic invertebrates: Daphnia cucullata (Crustacea), EC50 = ca. 7,635 mg/L/48 hours oxicity to algae: Anabaena inaequalis (Algae), EC50 = 21,725 mg/L/14 days ersistence and degradability: No data available lobility in soil: No data available PBT and vPvB assessment: No data available ther adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.							
Section 13 Disposal Consideration	ns						
These disposal guidelines are intended for the regulations may be different. Dispose of in a Soction 14	ccordance with all	local, state and fede					
Section 14 Transport Information	(US DOT / CANAL	IA TDG)					
Hazard class: 3 Packin	· · · · · · · · · · · · · · · · · · ·						
Section 15 Regulatory Information	1						
chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.							
Component	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL		
Acetone	Listed	5,000 lbs (2270 kg)	U002	Listed	Not listed		

Section 16 Other Information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

Page E1 of E2

Section 1

Chemical Product and Company Identification

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

For laboratory use only. Not for drug, food or household use.

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Innovating Science [®] by Aldon Corporation	221 Rochester Street
"cutting edge science for the classroom"	Avon, NY 14414-9409 (585) 226-6177

Product SODIUM HYPOCHLORITE, 5% SOLUTION	
Synonyms Chlorine Bleach / Bleach	
Section 2 Hazards Identification	
Section 2 Hazards Identification Signal word: WARNING Pictograms: GHS07 Target organs: Eyes, Skin, Respiratory system GHS Classification: Skin irritation (Category 2) Eye irritation (Category 2A) GHS Label information: Hazard statement: H315: Causes skin irritation. H319: Causes serious eye irritation. Bupplementary information: EUH031: Contact with acids liberates toxic gas.	Precautionary statement: P264: Wash hands thoroughly after handling. 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. P337+P313: If eye irritation persists: Get medical attention. P302+P352: IF ON SKIN: Wash with plenty of water and soap. P332+P313: If skin irritation occurs: Get medical attention. P362+P364: Take off contaminated clothing and wash it before reuse.

14414-9409

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 3	Composition / Information on	Ingredients			
Chemical Name		CAS #	%	EINECS	
Water Sodium hypochlorite Sodium carbonate		7732-18-5 7681-52-9 497-19-8	95.00% 5.00% <0.1%	231-791-2 231-668-3 207-838-8	
Section 4	First Aid Measures				

INGESTION: HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SEVERE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 **Fire Fighting Measures**

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, emits toxic fumes of chlorine. Contact with hydrochloric acid liberates chlorine gas. This material will react with some metals, which may cause liberation of oxygen. Vigorous reactions can occur with oxidizable materials and organics.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances. Protect from sunlight.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limiter	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Limits:	Sodium hypochlorite	Not established	Not established	Not established

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

approved respirator.			, nanaling at room ton						
Section 9	Physical & Chemical P	roperties							
Appearance:Clear, pale yellow liquid.Odor:Chlorine odor.Odor threshold:Data not available.PH:9.2Melting / Freezing point:Data not availableBoiling point:Data not availableFlash point:Non-flasmable									
Section 10	Section 10 Stability & Reactivity								
Conditions to avoid Incompatible materi	Chemical stability: Stable Hazardous polymerization: Will not occur. Conditions to avoid: Excessive temperatures and direct sunlight. Incompatible materials: Acids, oxidizable materials, combustibles, ammonia and/or metals. Incompatible materials: Acids, oxidizable materials, combustibles, ammonia and/or metals. Hazardous decomposition products: Chlorine given off on contact with acids. Thermal decomposition may produce hydrochloric acid with heat, hypochlorous acid vapors.								
	rated during decomposition.	given en en contact							
Section 11	Toxicological Informati	on							
Serious eye damage Respiratory or skin Germ cell mutageni Carcinogenity: Data NTP: No component IARC: No component OSHA: No component Reproductive toxici STOT-single expose STOT-repeated expo Aspiration hazard: Potential health effe Inhalation: Cough ar Ingestion: Abdomina Skin: Redness, pain. Eyes: Redness, pain	Acute toxicity: Data not available Skin corrosion/irritation: Data not available Respiratory or skin sensitization: Data not available Germ cell mutagenicity: Data not available Carcinogenity: Data not available NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive toxicity: Data not available STOT-single exposure: Data not available STOT-repeated exposure: Data not available Aspiration hazard: Data not available Potential health effects: Inhalation: Cough and sore throat. Ingestion: Abdominal pain, burning sensation, cough, diarrhea, sore throat, vomiting. Skin: Redness, pain. Eyes: Redness, pain. Signs and symptoms of exposure: Repeated or prolonged contact may cause skin sensitization. Exercise appropriate procedures to minimize potential hazards.								
Section 12	Ecological Information								
Toxicity to daphnia a Toxicity to algae: No Persistence and deg Mobility in soil: No Other adverse effect Section 13 These disposal guid	Toxicity to fish: No data available Toxicity to daphnia and other aquatic invertebrates: No data available Toxicity to algae: No data available Persistence and degradability: No data available Mobility in soil: No data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.								
	Transport Information	•							
Hazard class: No	UN/NA number: Not applicable Shipping name: Not Regulated Hazard class: Not applicable Packing group: Not applicable Reportable Quantity: Marine pollutant: No Exceptions: Not applicable 2012 ERG Guide # Not applicable Reportable Quantity: Yes Marine pollutant: No								
Section 15	Regulatory Information	1							
	to be listed if the CAS number	-			D <i>G</i> ¹				
Compone Sodium hypochlorite	nt	Listed	CERLCA (RQ) 100 lbs (45.4 kg)	RCRA code Not listed	DSL Listed	NDSL Not listed			
Section 16	Other Information								
The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make indepen- dent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, REG: Emergency Response Guidebook.									

ERG: Emergency Response Guidebook.

Page E1 of E2

Section 1

Chemical Product and Company Identification

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"cutting edge science for the classroom"

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

For laboratory use only. Not for drug, food or household use.

Product HYDROCHLORIC ACID, 5 MOLAR (5 NORMAL)	
Synonyms Muriatic Acid, Water Solution ; Hydrogen Chloride, Water Solution	 חכ
Section 2 Hazards Identification	
Signal word: WARNING Pictograms: GHS07 Target organs: Respiratory system, skin, eyes, lungs.	 Precautionary statement(s): P261: Avoid breathing mist/vapours/spray. P264: Wash hands thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P332+P313: If skin irritation occurs: Get medical advice/attention. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P362: Take off contaminated clothing and wash before reuse. P403/233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up. P501: Dispose of contents/container to an approved waste disposal plant.

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

Section 3	Composition / Information on Ingredients				
Chemical Name		CAS #	%	EINECS	
Water Hydrochloric acid		7732-18-5 7647-01-0	84.29% 15.71%	231-791-2 231-595-7	
Section 4	First Aid Measures				

INGESTION: HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. CAUSES RESPIRATORY IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SEVERE IRRITATION AND/OR BURNS. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SEVERE IRRITATION AND/OR BURNS. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Contact with metals produce hydrogen, which is flammable and may produce explosive mixtures with air.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Neutralize spill with sodium bicarbonate or calcium hydroxide, absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Protect from physical damage and sunlight. Protect from moisture.

Section 8	Exposure Controls / Personal Protection					
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)		
Exposure Limits.	Hydrogen chloride	STEL: C 2 ppm / C 2.98 mg/m ³	STEL: C 5 ppm / C 7 mg/m ³	STEL: C 5 ppm / C 7 mg/m ³		

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low. Respiratory protection: Use a chemical fume hood and/or wear a NIOSH/MSHA-approved respirator.

Section 9 **Physical & Chemical Properties** Appearance: Clear, colorless liquid. Evaporation rate (= 1): Data not available. Partition coefficient: (n-octanol / water): Data not available. Odor: Pungent odor Flammability (solid/gas): Data not available. Auto-ignition temperature: Data not available Odor threshold: Data not available. Explosion limits: Upper/Lower: Data not available. Decomposition temperature: Data not available. Vapor pressure (mm Hg): 190 @ 25°C (77°F) pH: Approximately 1 Viscosity: Data not available. Melting / Freezing point: < -40°C (-40°F) Vapor density (Air = 1): Data not available. Molecular formula: Mixture Boiling point: >100°C (212°F) Relative density (Specific gravity): 1.18 Molecular weight: Mixture Flash point: Not flammable. Solubility(ies): Soluble in water. Section 10 Stability & Reactivity Chemical stability: Stable Hazardous polymerization: Will not occur. Conditions to avoid: Containers may burst when heated. Avoid contact with water. Incompatible materials: Metals, bases, active metals, alkali metals, oxidizing agents, hydroxides, amines, carbonates, cyanides, sulfides, sulfites, formaldehvde Hazardous decomposition products: Hydrogen chloride gas. Section 11 **Toxicological Information** Acute toxicity: Data not available Skin corrosion/irritation: Skin-rabbit - causes burns. Serious eye damage/irritation: Eyes-rabbit - Corrosive to eyes. Respiratory or skin sensitization: Data not available Germ cell mutagenicity: Data not available Carcinogenity: Data not available NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP. IARC: Group 3: Not classifiable as to its carcinogenicity to humans. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive toxicity: Data not available STOT-single exposure: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation. STOT-repeated exposure: Data not available Aspiration hazard: Data not available Potential health effects: Inhalation: May be harmful if inhaled. Material is extrememy destructive to the tissue of the mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed. Skin: May be harmful if absorbed through skin. Causes skin burns. Eves: Causes eve burns Signs and symptoms of exposure: Burning sensation, cough, wheezing, laryngitis, shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Additional information: RTECS #: MW4025000 Section 12 **Ecological Information** Toxicity to fish: LC50 - Gambusia affinis (Mosquito fish) - 282 mg/l - 96 h (Hydrochloric acid) Toxicity to daphnia and other aquatic invertebrates: No data available Toxicity to algae: No data available Persistence and degradability: No data available Bioaccumulative potential: No data available Mobility in soil: No data available PBT and vPvB assessment: No data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Section 13 **Disposal Considerations** These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency. Transport Information (US DOT / CANADA TDG) Section 14 UN/NA number: UN1789 Shipping name: Hydrochloric acid Hazard class: 8 Packing group: II Reportable Quantity: No Marine pollutant: No 2016 ERG Guide # Not applicable Exceptions: Limited quantity equal to or less than 1 Lt Section 15 **Regulatory Information** A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list. CERLCA (RQ) RCRA code DSL NDSL TSCA Component Hydrochloric acid Listed Not listed D002 Listed Not listed

Section 16 Other Information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook Form 06/2015

Section 1	Chemical Product and Company Identific	ation	Page E1 of E2
	vating Science [®] by Aldon Corporation tting edge science for the classroom"	221 Rochester Stree Avon, NY 14414-94((585) 226-6177	For Jaboratory use only
Product	SODIUM HYDROXIDE, 6 MOLAR (6N) SOLUTION		
Synonyms	Sodium Hydroxide, Water Solution (6M)		
Section 2	Hazards Identification		
Pictograms Target orga GHS Class Skin corrosi Serious Eye GHS Label	ns: Respiratory tract, gastrointestinal tract, eyes, skin.		 Precautionary statement: P260: Do not breathe mist/vapours/spray. P264: Wash hands thoroughly after handling. 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. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310: Immediately call a POISON CENTER or doctor/physician. P363: Wash contaminated clothing before reuse. P405: Store locked up. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with all local, state and federal regulations.

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

Section 3	Composition / Information on	Ingredients			
Chemical Name		CAS #	%	EINECS	
Water Sodium hydroxide		7732-18-5 1310-73-2	76% 24%	231-791-2 215-185-5	
Section 4	First Aid Measures				

INGESTION: MAY BE FATAL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SEVERE DAMAGE. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SEVERE BURNS. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Dry chemical, water spray, alcohol foam. Can react with carbon dioxide to form sodium carbonate.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume. Contact with metals can generate hydrogen gas.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Protection						
Exposure Limiter	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)			
Exposure Limits:	Sodium hydroxide	STEL: C 2 mg/m ³	TWA: 2 mg/m ³	STEL: C 2 mg/m ³			

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

approved respirator.									
Section 9 Physical & Chemical Properties									
Appearance: Clear, Odor: No odor. Odor threshold: No pH: Data not availab Melting / Freezing p Boiling point: ~ 100 Flash point: Not flas	t applicable. le. oint: ~ 0°C (~ 32°F) [water])°C (212°F) [water]	Flammability (so Explosion limits: Vapor pressure (Vapor density (A Relative density	Evaporation rate (Water = 1): < 1 Partition coefficient: (n-octanol / water) Flammability (solid/gas): Not applicable. Auto-ignition temperature: Not applicable Explosion limits: Lower / Upper: Not applicable Decomposition temperature: Data not available. Vapor pressure (mm Hg): 14 [water] Viscosity: Data not available. Relative density (Air = 1): 0.7 [water] Molecular formula: Mixture Solubility(ies): Complete in water. Molecular weight: Mixture			Not applicable e: Data not available. e.			
Section 10	Stability & Reactivity								
Conditions to avoid Incompatible mater	Chemical stability: Stable Hazardous polymerization: Will not occur. Conditions to avoid: Can react with carbon dioxide to form sodium carbonate. Incompatible materials: Metals, acids, organic compounds, organic nitro compounds. Hazardous decomposition products: Sodium oxide. Reacts with metals to form flammable and explosive hydrogen gas.								
Section 11	Toxicological Information								
Skin corrosion/irrit. Serious eye damag Respiratory or skin Germ cell mutagen Carcinogenity: Dat NTP: No component IARC: No componen OSHA: No componen Reproductive toxic STOT-single expos STOT-repeated exp Aspiration hazard: Potential health effi Inhalation: May be h Ingestion: May be h Skin: May be harmfi Eyes: Causes eye b Signs and symptom edema, burning sens	Acute toxicity: Data not available Skin corrosion/irritation: Skin - rabbit - Causes severe burns 24 h [Sodium hydroxide] Serious eye damage/irritation: Eyes - rabbit - Severe eye irritation - 24 h [Sodium hydroxide] Respiratory or skin sensitization: Data not available Germ cell mutagenicity: Data not available Carcinogenity: Data not available Carcinogenity: Data not available NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive toxicity: Data not available STOT-single exposure: Data not available STOT-repeated exposure: Data not available Aspiration hazard: Data not available Potential health effects: Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed. Skin: May be harmful if assole through skin. Causes skin burns. Eyes: Causes eye burns. Causes severe eye burns. Signs and symptoms of exposure: Spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, cough, wheezing, laryngits, shortness of breath, headache, nausea, vomiting. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.								
Toxicity to daphnia Toxicity to algae: N Persistence and de Mobility in soil: No	Toxicity to fish: LC50 - Gambusia affinis (Mosquito fish) - 125 mg/l - 96 h [Sodium hydroxide] Toxicity to daphnia and other aquatic invertebrates: Immobilization EC50 - Daphnia - 40.38 mg/l - 48 h [Sodium hydroxide] Toxicity to algae: No data available Persistence and degradability: No data available Mobility in soil: No data available PBT and vPvB assessment: No data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.								
Section 13	Disposal Considerations								
regulations may be Section 14	delines are intended for the different. Dispose of in acc Transport Information (U	ordance with all lo S DOT / CANADA	cal, state and feder TDG)						
UN/NA number: Hazard class: 8 Exceptions: Lim	UN1824 Shipping Packing g ited quantity equal to or less	roup: II	•	le Quantity: 1,0 Guide # 154	000 lbs (454	kg) Ma i	rine pollutant: No		
Section 15	Regulatory Information								
	d to be listed if the CAS number for		,						
ComponentTSCACERLCA (RQ)RCRA codeDSLNDSLSodium hydroxideListed1,000 lbs (454 kg)D002ListedNot listed									
Section 16	Other Information								
		nty of any kind. Emplo	yers should use this info	ormation only as a su	pplement to othe	er information gather	ed by them and must make indepen-		
							NTP: National Toxicology Program,		

dent determination contained netrent is furnished without warranty of any kind. Employers should use this information only as a supplement to dute information gameted by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

221 Rochester Street

Avon NY 14414-9409

Page E1 of E2

Section 1

Chemical Product and Company Identification

Innovating Science[®] by Aldon Corporation

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

For laboratory use only. Not for drug, food or household use.

"cu	Itting edge science for the classroom"	Avon, NY 14414-94 (585) 226-6177	Not for drug, food or household use.
Product	BALSAM, CANADA (SYNTHETIC IN XYLENE)		
Synonyms	Synthetic Mounting Medium / Piccolyte Slide Mounting	g Media	
Section 2	Hazards Identification		
Pictograms Target orga system, Cer or prolonged GHS Classi Flammable Acute toxicit Skin irritatio Acute toxicit GHS Label H226: Flamm H312: Harm H315: Caus			 Precautionary statement: P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233: Keep container tightly closed. P241: Use explosion-proof electrical/ventilating/lighting equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P261: Avoid breathing mist/vapours/spray. P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P311: Call a POISON CENTER or doctor. P370+P378: In case of fire: Use dry chemical, alcohol foam, carbon dioxide or water spray to extinguish. P403+P235+P233: Store in a well-ventilated place. Keep cool. Keep container tightly closed. P405: Store locked up. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

Section 3	Composition / Information on	Ingredients			
Chemical Name		CAS #	%	EINECS	
Terpene resin Xylenes, mixed isome	rs	68240-09-5 1330-20-7	60.0% 40.0%	None assigned 215-535-7	
Section 4	First Aid Measures				

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: HARMFUL IF INHALED. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors formed from this product are heavier than air and may travel along the ground to a distant source of ignition and flash back instantly.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Remove all sources of ignition. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources.

Section 8	Exposure Controls / Personal Protection					
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)		
Exposure Limits.	Xylene	TWA: 100 ppm / STEL: 150 ppm(A4)	TWA: 100 ppm / 435 mg/m ³	TWA: 100 ppm / STEL: 150 ppm		

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 1 Physical & Channel al Properties Operation: 1: update Values pair by play ways the person of the full play beats is 10: 7 (Symel) Partition conficient: Dist not available. Operation: 1: update relate available. Evaluate available. Partition conficient: Dist not available. Device: 1: 0: 1: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0:	approved respirator.	tion. None should be needed in		y nanoling at room tem	peratures. In misty			
Appearation circle Logical Viscous pair yellow grain for the family gold (age) to be and or wallable. Partition coefficient is an or available. By Call and evaluable. Present point: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2:	Section 9	Physical & Chemical Prop	erties					
Chemical stability: Stable Hazardous polymerization: Will not occur: Conditions to avoid: Excessive temperatures, heat, sparks, open fame and other sources of ignition. Incompatible matches: Strong outgoins of avoids outgoins, acids: Incompatible matches: Strong outgoins, heat, sparks, open fame and other sources of ignition. Incompatible matches: Strong outgoins, sparks, open fame and other sources of ignition. Strong outgoins, outgo	Odor: Aromatic odo Odor threshold: Da pH: Data not availat Melting / Freezing p Boiling point: 139-	r. ata not available. ble. point: Data not available 141°C (283-286°F) [Xylene]	Flammability Explosion lim Vapor pressur Vapor density Relative dens	solid/gas): Data not a its: Lower / Upper: 1. e (mm Hg): 6 @ 20°C (Air = 1): 3.7 [Xylene] ty (Specific gravity): 0	vailable. 1% / 7.0% [Xylene] [Xylene]	Auto-igniti Decompos Viscosity: Molecular	on temperature: 8 sition temperature Data not available formula: Mixture	867-982°F ASTM D 2155 [Xylene] e: Data not available. e.
Conditions to avoid: Excessive temperatures, heat, sparks, open fame and other sources of ignition. Incompatible materials: Storago outdoters, scales. Section 1 Toxicological Information Acute toxicity: Order at LDS0: 4300 mg/kg: Inhabition rat LS0: 6360 pm/4 hours: Dermal-rat LD50: 24300 mg/kg [Kylene] Serious yee damagefinitation: Data not available Serious yee damagefinitation: Data not available STOT-Ingle gap yees at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive toxicity: Data not available STOT-Ingle gap yees weet yees at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive toxicity: Data not available STOT-Ingle gap yees weet yees yees weet yees weet man nervous system effects characterized by headache, diziness, unconsciousness and coma. Inhalation of vapor may cause central nervous system depression, kidmy damage, and iner damage. Symptom may indude: headache, excitement, faigue, nause, vontifing a damagefinitation with nause weet of unprotose yees weet man nervous system depression, kidmy damage, and iner damage, Symptom may indude: headache, excitement, faigue, nause, vontifing a damagefinitation weet nause gap weet toxice weet weet weet weet weet weet weet we	Section 10	Stability & Reactivity						
Acute toxicity: Oracle and a valiable of the product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. IARC classified (Group 2B): Possibly carcinogenic to than any valiable of the product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. IARC classified (Group 2B): Possibly carcinogenic to than any valiable of the product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive composent of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive composent of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive composent: Bat and valiable STOT-repeated consure: Bat and valiable	Conditions to avoid Incompatible mater	 Excessive temperatures, hea rials: Strong oxidizers, acids. 	t, sparks, open fl	ame and other sources	of ignition.	luring combus	tion.	
Skin corrosion/irritation: Data not available Serious system demapdiritation: Data not available Respiratory or skin sensitization: Data not available Serious system demapdiritation: Data not available Carcinogenity: Data not available NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Carcinogenity: Data not available Strid-No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Carcinogenity: Data not available Strid-No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive toxicity: Data not available Strid-No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Strid toxicity: Data not available Strid-No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Strid toxicity: Data not available Strid-No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Strid toxicity: Data not available Strid toxicity: Data not available Potential Data available Strid toxicity: Data not available Strid toxicity: Data not available Data available Strid tox	Section 11	Toxicological Information						
Toxicity to fish: Leuciscus idus melanotus (fish, fresh water), LC50 = 86-308 mg/L/48 hours [Xylene] Toxicity to daphnia and other aquatic invertebrates: Gammarus lacustrus (Crustacea), LC50 = 800 µg/L/24 hours [Xylene] Persistence and degradability: No data available Bioaccumulative potential: No data available Mobility in soil: No data available DBT and VPVB assessment: No data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Section 13 Disposal Considerations These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency. Section 14 Transport Information (US DOT / CANADA TDG) UN/NA number: UN1993 Shipping name: Flammable liquids, n.o.s., (Xylenes) Hazard class: 3 Packing group: III Reportable Quantity: See below Marine pollutant: No Exceptions: Limited quantity equal to or less than 5 L 2016 ERG Guide # 128 Section 15 Regulatory Information A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list. Component TSCA CERLCA (RQ) RCRA code DSL NDSL <td>Serious eye damag Respiratory or skin Gern cell mutagen Carcinogenity: Dai NTP: No componen IARC classified: Gro OSHA: No compone Reproductive toxic STOT-single expos STOT-repeated exp Aspiration hazard: Potential health eff Inhalation: Inhalatio may cause respirato Ingestion: May caus and coma. Causes og Skin: Exposure may Eyes: Causes eye ii Signs and symptor</td> <td>e/irritation: Data not available sensitization: Data not available sensitization: Data not availa icity: Data not available a not available of this product present at levels up 2B: Possibly carcinogenic to nt of this product present at level ity: Data not available osure: Data not available Data not available ects: n of high concentrations may ca ry tract irritation. Prolonged expre e central nervous system depre pastrointestinal irritation with nau v cause irritation characterized b ritation. ns of exposure: Exercise appr</td> <td>greater than or o humans. [Xylene Is greater than o use central nervo sure may result ssion, kidney dan sea, vomiting an y redness, dryne opriate procedure</td> <td>] r equal to 0.1% is identi bus system effects chara in dizziness and genera nage, and liver damage d diarrhea. Aspiration o ss, and inflammation. P</td> <th>fied as a carcinoge acterized by headac I weakness. Irritatic . Symptoms may ir ⁱ material into the lu rolonged and/or rep</th> <td>n or potential o che, dizziness, on may lead to iclude: headao ings may caus</td> <td>carcinogen by OSH , unconsciousness , chemical pneumo che, excitement, fa se chemical pneum</td> <th>and coma. Inhalation of vapor nitis and pulmonary edema. tigue, nausea, vomiting, stupor, nonitis, which may be fatal.</th>	Serious eye damag Respiratory or skin Gern cell mutagen Carcinogenity: Dai NTP: No componen IARC classified: Gro OSHA: No compone Reproductive toxic STOT-single expos STOT-repeated exp Aspiration hazard: Potential health eff Inhalation: Inhalatio may cause respirato Ingestion: May caus and coma. Causes og Skin: Exposure may Eyes: Causes eye ii Signs and symptor	e/irritation: Data not available sensitization: Data not available sensitization: Data not availa icity: Data not available a not available of this product present at levels up 2B: Possibly carcinogenic to nt of this product present at level ity: Data not available osure: Data not available Data not available ects: n of high concentrations may ca ry tract irritation. Prolonged expre e central nervous system depre pastrointestinal irritation with nau v cause irritation characterized b ritation. ns of exposure: Exercise appr	greater than or o humans. [Xylene Is greater than o use central nervo sure may result ssion, kidney dan sea, vomiting an y redness, dryne opriate procedure] r equal to 0.1% is identi bus system effects chara in dizziness and genera nage, and liver damage d diarrhea. Aspiration o ss, and inflammation. P	fied as a carcinoge acterized by headac I weakness. Irritatic . Symptoms may ir ⁱ material into the lu rolonged and/or rep	n or potential o che, dizziness, on may lead to iclude: headao ings may caus	carcinogen by OSH , unconsciousness , chemical pneumo che, excitement, fa se chemical pneum	and coma. Inhalation of vapor nitis and pulmonary edema. tigue, nausea, vomiting, stupor, nonitis, which may be fatal.
Toxicity to daphnia and other aquatic invertebrates: Gammarus lacustrus (Crustacea), LC50 = 800 µg/L/24 hours [Xylene] Toxicity to algae: Scenedesmus quadricauda (Algae) = mortality effect concentration > 200,000 µg/L [Xylene] Persistence and degradability: No data available PBT and vPvB assessment: No data available Mobility in soil: No data available PBT and vPvB assessment: No data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Section 13 Disposal Considerations These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency. Section 14 Transport Information (US DOT / CANADA TDG) UN/NA number: UN1993 Shipping name: Flammable liquids, n.o.s., (Xylenes) Hazard class: 3 Packing group: III Reportable Quantity: See below Marine pollutant: No Exceptions: Limited quantity equal to or less than 5 L 2016 ERG Guide # 128 Section 15 NDSL Section 15 Regulatory Information A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list. NDSL NDSL Zylene Listed 100 lbs (45.4 kg)	Section 12	Ecological Information						
UN/NA number: UN1993 Shipping name: Flammable liquids, n.o.s., (Xylenes) Hazard class: 3 Packing group: III Reportable Quantity: See below Marine pollutant: No Exceptions: Limited quantity equal to or less than 5 L 2016 ERG Guide # 128 Section 15 Regulatory Information A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list. Component TSCA CERLCA (RQ) RCRA code DSL NDSL Xylene Listed 100 lbs (45.4 kg) U239 Listed Not listed Section 16 Other Information The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent	Toxicity to daphnia Toxicity to algae: S Persistence and de Mobility in soil: No Other adverse effec Section 13 These disposal gu regulations may be	and other aquatic invertebrat cenedesmus quadricauda (Alga gradability: No data available data available cts: An environmental hazard c Disposal Considerations delines are intended for the different. Dispose of in acc	es: Gammarus la e) = mortality effor Bioaccum PBT and v annot be exclude disposal of cata ordance with al	acustrus (Crustacea), Li ect concentration > 200 ulative potential: No of PvB assessment: No d in the event of unprof log-size quantities or local, state and fede	C50 = 800 μg/L/24 l 000 μg/L [Xylene] lata available data available essional handling o ly. Federal regula	r disposal. ations may a	pply to empty co	ntainer. State and/or local nical disposal agency.
Hazard class: 3 Packing group: III Reportable Quantity: See below Marine pollutant: No Exceptions: Limited quantity equal to or less than 5 L 2016 ERG Guide # 128 Section 15 Regulatory Information A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list. Component TSCA CERLCA (RQ) RCRA code DSL NDSL Xylene Listed 100 lbs (45.4 kg) U239 Listed Not listed Section 16 Other Information The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independence		•		•	(Vulance)			
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Component TSCA CERLCA (RQ) RCRA code DSL NDSL Xylene Listed 100 lbs (45.4 kg) U239 Listed Not listed Section 16 Other Information The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make indepen-		• •						
Xylene Listed 100 lbs (45.4 kg) U239 Listed Not listed Section 16 Other Information The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independence			,	,		DC'		
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The information contained nerven is turnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.