Product Synonyms

SAFETY DATA SHEET

FLAMMABLE STORAGE CODE RED

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Section 1 Chemical Product and Company Identification

2-Propanone / Dimethyl Ketone / Solvent

Science The Storeset W

ACETONE

 Boreal Science

 5100 West Henrietta Rd
 399 Vansickle Road

 PO Box 92912
 St. Catherines, Ontario

 Rochester, NY 14692-9012
 L2S 3T4

 Tel: (800) 962-2660
 Tel: (800) 387-9393

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

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

Section 2 **Hazards Identification** Signal word: DANGER Precautionary statement: Pictograms: GHS02 / GHS07 P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Target organs: Central nervous system 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. P261: Avoid breathing mist/vapours/spray. P264: Wash hands thoroughly after handling **GHS Classification:** P271: Use only outdoors or in a well-ventilated area. Flammable liquid (Category 2) P280: Wear protective gloves/protective clothing/eye protection/face protection. Eye irritation (Category 2A) P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. STOT-SE (Category 3) Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical attention. GHS Label information: Hazard statement: P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated H225: Highly flammable liquid and vapour. clothing. Rinse skin with water/shower. H319: Causes serious eye irritation. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for H336: May cause drowsiness or dizziness. breathing P312: Call a POISON CENTER or doctor if you feel unwell. Supplemental information: P370+P378: In case of fire: Use dry chemical, alcohol foam, carbon dioxide or water Repeated exposure may cause skin dryness or cracking. sprav to extinguish. P403+P233: Store in a well-ventilated place. Keep container tightly closed. P405+P235: Store locked up. Keep cool. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

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

Section 7 Handling & Storage

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 Protection				
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 Pro	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

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

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.

Eves: Contact with eves 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

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Section 12 Ecological mormation							
Toxicity to fish: Gambusia affinis (fish, fresh wate Toxicity to daphnia and other aquatic invertebr Toxicity to algae: Anabaena inaequalis (Algae), E Persistence and degradability: No data availabl Mobility in soil: No data available Other adverse effects: An environmental hazard	ates: Daphnia cucu C50 = 21,725 mg/l Bioaccum PBT and v	ullata (Crustacea), EC50 _/14 days ulative potential: No d PvB assessment: No	lata available data available				
Section 13 Disposal Consideration	6						
These disposal guidelines are intended for the regulations may be different. Dispose of in ac							
Section 14 Transport Information (US DOT / CANAI	DA TDG)					
••	g name: Acetor group: II ss than 1 L	Reportab	ble Quantity: 5, Guide # 127	000 lbs (2270	kg) Ma i	rine pollutant: No	
Section 15 Regulatory Information							
A chemical is considered to be listed if the CAS number for	r the anhydrous form	is on the Inventory list.					
Component	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65	
Acetone	Listed	5,000 lbs (2270 kg)	U002	Listed	Not listed	This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.	

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