



2321 Branch Rd. Flint, MI 48506
 (810) 407-6937 www.tcblends.com

SAFETY DATA SHEET

Acetone

Date Prepared:
 3/26/2015
 MSDS No: 00001
 Date-Revised:
 3/26/2015
 Revision No: 12

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Acetone
PRODUCT DESCRIPTION: Acetone
PRODUCT CODE: S02
PRODUCT FORMULATION NAME: Acetone
CHEMICAL FAMILY: Ketone
MOLECULAR FORMULA: C₃H₆O
GENERIC NAME: Dimethyl ketone, 2-Propanone, Dimethyl formaldehyde

MANUFACTURER

TRU Custom Blends, Inc.
 2321 Branch Rd.
 Flint, MI 48506
Emergency Contact: CHEMTREC or CANUTEC
Product Stewardship: 810-407-6937
Transportation: 810-407-6937

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
CANUTEC (613) 996-6666

COMMENTS: To the best of our knowledge, this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Target Organ Toxicity (Single exposure), Category 3
 Eye Irritation, Category 2A
 Skin Sensitization, Category 3

Physical:

Flammable Liquids, Category 2

GHS LABEL



Flame



Exclamation
 mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H225: Highly flammable liquid and vapor.
 H316: Causes mild skin irritation.
 H319: Causes serious eye irritation.
 H336: May cause drowsiness or dizziness.

Precautionary statement(s)

Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
 P361: Remove/Take off immediately all contaminated clothing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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Disposal:

P501: Dispose of contents/container in accordance with local regulations.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: DANGER! Extremely Flammable Liquid & Vapor - vapor may cause flash fire. Harmful if inhaled. High vapor concentrations may cause dizziness. Causes skin and eye irritation. Harmful if swallowed.

POTENTIAL HEALTH EFFECTS

EYES: Severe irritation and discomfort. Reversible and/or irreversible corneal damage may occur.

SKIN: Moderate irritation and discomfort possible. Defatting of skin, redness and chemical dermatitis possible. Toxic systemic effects from absorption are possible.

INGESTION: Gastrointestinal tract irritation. Can be fatal if ingested.

INHALATION: Dizziness, impaired coordination, headaches and loss of consciousness. Severe respiratory tract irritation. Toxic systemic effects are possible.

MEDICAL CONDITIONS AGGRAVATED: None known

ROUTES OF ENTRY: Absorption, Inhalation, Ingestion

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Acetone	100	67-64-1

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.

SKIN: Remove contaminated clothing, wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.

INGESTION: Do not induce Vomiting. Get immediate medical attention.

INHALATION: Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Treat as an OSHA Class IB Flammable liquid

EXTINGUISHING MEDIA: Foam, Dry Chemical, Carbon Dioxide, Water Fog

EXPLOSION HAZARDS: Vapor accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, etc., away from these fumes.

FIRE FIGHTING PROCEDURES: Treat as highly flammable/explosive vapor solvent. Vapor is heavier than air and may travel to ignition sources and flashback. Keep unignited containers cool with water. Contaminated fire control waters should be diked or collected in ponds if possible and disposed of properly. Use eye and skin protections and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish all ignition sources and ventilate area. Evacuate all non-essential personnel. Blanket spill with alcohol resistant foam to limit evaporation. Dike area to contain spill and clean up by absorbing on inert absorbent or by other means. Liquid may be flammable even when mixed with water unless heavily diluted (>5:1). Do not flush into sewers or natural waterways.

LARGE SPILL: Contain material as described above and call the local fire or police department for immediate emergency assistance.



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7. HANDLING AND STORAGE

HANDLING: Open container slowly to relieve any pressure. Bond and ground all equipment when transferring from one vessel or container to another. This material can accumulate static charge by flow or agitation. Vapors can be ignited by static discharge. Use explosion proof equipment as directed by local fire codes.

STORAGE: Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

STORAGE TEMPERATURE: Ambient

LOADING TEMPERATURE: AMBIENT

SHELF LIFE: THE SHELF LIFE OF THIS PRODUCT IS UNDETERMINED, BUT MAY BECOME SUSPECT ONE YEAR FROM THE DATE OF PURCHASE.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
Chemical Name		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Acetone	TWA	1000 ppm [1]	2400 mg/m ³ [1]	500 ppm	mg/m ³	NL ppm	NL mg/m ³
	STEL	ppm	mg/m ³	750 ppm	mg/m ³	NL ppm	NL mg/m ³
OSHA TABLE COMMENTS:							
1. NL = Not Listed							

ENGINEERING CONTROLS: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure guidelines, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: To prevent any contact, wear impervious protective clothing such as nitrile or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use NIOSH/MSHA approved respirators when vapors or mist concentrations exceed permissible exposure limits.

PROTECTIVE CLOTHING: Chemical resistant boots, apron, etc. as necessary to prevent contamination of clothing and skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)	Solubility in Water	Specific Gravity
Acetone	-18	complete	0.792

PHYSICAL STATE: Liquid

ODOR: Sweet, Pungent odor



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APPEARANCE: Clear
COLOR: Colorless
pH: Neutral
PERCENT VOLATILE: 100
FLASHPOINT AND METHOD: ~ (-1°F)
FLAMMABLE LIMITS: 2.6 to 12.8
AUTOIGNITION TEMPERATURE: (869°F)
VAPOR PRESSURE: 181 mmHg at 20°C
VAPOR DENSITY: 2 (Air=1)
BOILING POINT: (133°F) **MELTING POINT:** (-138°F) **SOLUBILITY IN WATER:** Complete
EVAPORATION RATE: 14.5 (n-Butyl Acetate=1)
SPECIFIC GRAVITY: 0.79 (water=1) at 20°C
MOLECULAR WEIGHT: 58.08 g/Mole

10. STABILITY AND REACTIVITY

REACTIVITY: Yes
HAZARDOUS POLYMERIZATION: Will not occur
STABILITY: Stable
CONDITIONS TO AVOID: Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide from incomplete combustion, complete combustion produces Carbon Dioxide and Water.
INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
Acetone	9750 mg/kg (RAT)	20000 mg/kg(RABBIT)

ORAL LD₅₀: 5.8 g/kg (rat)

CARCINOGENICITY

IARC: Not listed by IARC
NTP: Not listed by NTP.
OSHA: Not listed by OSHA

GENERAL COMMENTS: Ingestion of large quantities of Acetone may cause metabolic changes, drowsiness, coma, and liver and kidney injury.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: BOD= (Lb./Lb.): Acclimated Bacteria: 0.31 - 1.63 COD=(Lb./Lb.): 1.12 - 2.07



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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters and disposal sites.

EMPTY CONTAINER: Keep containers closed when not in use. Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Acetone

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1090

PACKING GROUP: II

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 5000

LABEL: Class 3, Flammable Liquid

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: Not Listed

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Acetone	100	5,000 lbs.

CERCLA RQ: 5000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Acetone	67-64-1

TSCA REGULATORY: This material or its components are listed in the TSCA inventory.

16. OTHER INFORMATION

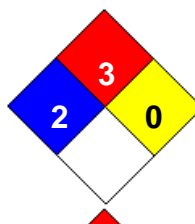
Date-Revised: 3/23/2015

REVISION SUMMARY: This MSDS replaces the 9/2/2014 MSDS. Revised: **Section 2:**

HMIS RATING

HEALTH	-	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION	X	

NFPA CODES



MANUFACTURER DISCLAIMER: The information in this MSDS was obtained from sources which we believe are reliable.



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