

According to Regulation (EC) No. 1907/2006 as amended by (ED) No. 1272/2008

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 **Product Code:** 50-0002-01
Product Name: Cleaner, Acetone

1.2 **Relevant Identified uses of the substance or mixture and uses advised against:**

1.3 **Details of the Supplier of the Safety Data Sheet**

Company Name	BestCode	Email	info@bestcode.co
Address	3034 SE Loop 820 Fort Worth, Texas, 76140	Fax	817-349-8480
Website	www.bestcode.co		
Phone	817-349-8555		

1.4 **Emergency Telephone Number**
Emergency Contact Chemtel **Toll Free:** 1-800-255-3924
International: 01-813-248-0585

Section 2: Hazards Identification

2.1 **Classification of the Substance or Mixture:**

2.1.1 **Classification according to Regulation (EC) No 1272/2008 [CLP]:**

Flammable Liquids, Category 3
Serious Eye Damage/Eye Irritation, Category 2A
Specific Target Organ Toxicity (single exposure), Category 3

2.2 **Label Elements:**

2.2.1 **Labeling according to Regulation (EC) No 1272/2008 [CLP]:**



GHS Signal Word: **Danger**

GHS Hazard Phrases:

H225 - Highly flammable liquid and vapor.
H226 - Flammable liquid and vapour
H316 - Causes mild skin irritation
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.

GHS Precaution Phrases:

P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical, lighting, ventilating equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P261 - Avoid breathing mist, spray, vapours
P264 - Wash exposed skin thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear eye protection, face protection, protective clothing, protective gloves

Safety Data Sheet
Part Number: 50-0002-01
Name: Cleaner, Acetone

Date: 7/28/15

GHS Response Phrases:

P370+378 - In case of fire, use ... to extinguish.

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313 - If eye irritation persists, get medical advice/attention.

P309+311 - Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

GHS Storage and Disposal Phrases:

P403+235 - Store in cool/well-ventilated place.

P501 - Dispose of contents/container to

P405 - Store locked up.

P403+233 - Store container tightly closed in well-ventilated place - if product is as volatile as to generate hazardous atmosphere.

2.3 Adverse Human Health Effects and Symptoms:

Acetone shortens the time of onset or worsens the liver and kidney damage induced by other chemicals. Overexposure to acetone and/or 4-chlorobenzotrifluoride has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects, blood abnormalities, and/or thyroid damage.

Signs and symptoms of exposure to acetone through breathing, swallowing, and/or passage of acetone through the skin may include: mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, high blood sugar, coma.

2.3.1 Inhalation:

Breathing of vapor or mist is possible. Breathing small amounts of acetone during normal handling is not likely to cause harmful effects. Prolonged exposure or breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than recommended exposure limits.

2.3.2 Skin Contact:

May cause mild skin irritation. Prolonged or repeated contact may dry the skin.

Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

2.3.3 Eye Contact:

Can cause eye irritation. Symptoms include stinging, tearing, redness and swelling of eyes.

2.3.4 Ingestion:

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting, resulting in lung inflammation and other lung injury.

Section 3. Composition/Information on Ingredients

CAS #	Hazard components (Chemical Name)/ Reach Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
67-64-1	Acetone	>90.0 %	200-662-2 606-001-00-8	Flam. Liq. 2: H225 Eye Damage 2: H319 STOT (SE) 3: H335 H336
98-56-6	4-Chlorobenzotrifluoride	1.0-10.0%	202-681-1	Flam. Liq. 3 H226 Skin Irrit. 3 H316 Eye Irrit. 2A H319 STOT SE 3 H335 H 336

Section 4. First Aid Measures

4.1 Description of First Aid Measures:

In Case of Inhalation: Move exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep affected person warm and at rest. Seek medical attention.

Safety Data Sheet
Part Number: 50-0002-01
Name: Cleaner, Acetone

Date: 7/28/15

- In Case of Skin Contact:** Remove contaminated clothing. Wash affected area with plenty of soap and water. Seek medical attention if irritation develops or persists.
- In Case of Eye Contact:** Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist.
- In Case of Ingestion:** NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If affected person is conscious and alert, give 2 to 3 glasses of water to dilute the swallowed material. Do not induce vomiting. If vomiting occurs, the head should be kept low so that the stomach vomit does not enter the lungs. Seek immediate medical attention.

4.2 Important Symptoms and Effects, Both Acute and Delayed:

- Note for the Doctor:** Acetone is an aspiration hazard. Potential danger from aspiration must be weighed against oral toxicity when deciding whether to induce vomiting. Acetone has produced hyperglycemia and ketosis following substantial ingestion. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to acetone: skin, lung (for example, asthma-like conditions), blood-forming system.

Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Use: "Alcohol" foam, Carbon Dioxide, Dry Chemical, water spray.
- 5.2 Flammable Properties and Hazards:**
- | | | | |
|----------------------------|-------------------------|---------------------|----------------------|
| Flash Point: | -20 C, T.C.C. (Acetone) | Method Used: | Estimate |
| Explosive Limits: | LEL: 2.6% (Acetone) | | UEL: 12.8% (Acetone) |
| Autoignition Point: | 465 C | | |
- 5.3 Fire Fighting Instructions:** Wear approved/certified self-contained breathing apparatus and full protective gear. Vapors from this product may travel or be moved by air currents and could be ignited by any source of ignition, including static electricity. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities. Use water to keep fire exposed containers cool and disperse vapors. Move container from fire area if it can be done without risk. Combustion may lead to production of carbon monoxide and/or carbon dioxide.

Section 6. Accidental Release Measures

- 6.1 Protective Precautions, Protective Equipment and Emergency Procedures:** Chemical splash goggles, protective clothing, gloves.
- 6.2 Environmental Precautions:** Do not allow material to enter into public sewer system, waterway, or ground. If large amounts of material are released, report to appropriate local and/or state agencies.
- 6.3 Methods and Material for Containment and Cleaning Up:** Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Collect spills with absorbent, non-combustible material into suitable containers. Ventilate. Stop leak if it can be done without risk. If needed, dike spill using absorbent or impervious material such as vermiculite, dry sand, clay, or earth.

Section 7. Handling and Storage

- 7.1 Precautions to be taken when Handling:** Flammable liquid. Keep away from heat, sparks and open flame. Avoid spilling. Avoid skin and eye contact. Avoid prolonged or repeated contact with liquid and inhalation of vapor or mist. Use in well-ventilated area. Can release vapors that form flammable mixtures at temperatures at or above the flashpoint.

Safety Data Sheet

Part Number: 50-0002-01

Name: Cleaner, Acetone

Date: 7/28/15

- 7.2 Precautions to be Taken in Storing:** Keep away from heat, sparks, and open flames. Store in a cool, dry place with adequate ventilation in tightly sealed containers. Empty containers contain residue. Do not expose to heat or other sources of ignition.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters

CAS#	Partial Chemical Name	Britain EH40	France VL	Europe
67-64-1	Acetone	TWA: 1210 mg/m ³ (500 ppm) STEL: 3620 mg/m ³ (1500 ppm)	TWA: 1210 mg/m ³ (500 ppm) STEL: 2420 mg/m ³ (1000 ppm)	TWA: 1210 mg/m ³
67-63-0	4-Chlorobenzotrifluoride*			

CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-64-1	Acetone	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	
67-63-0	4-Chlorobenzotrifluoride*			
	* Manufacturer recommends 20 ppm (8-hour TWA)			

8.2 Exposure Controls

- 8.2.1 Engineering Controls:** Local exhaust to minimize exposure to vapor and particulate matter.
(Ventilation etc.):
- 8.2.2 Personal Protection Equipment:**
- Eye Protection:** Wear monogoggles or face shield. Do not wear contact lenses.
- Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure. Wear butyl rubber gloves, apron, and/or clothing.
- Other Protective Clothing:** Eye bath, safety shower
- Respiratory Equipment (Specify Type):** The use of respiratory protection depends on vapor concentration above the time weighted TLV. Use a NIOSH-approved cartridge respirator or gas mask. Do not wear contact lenses.
- Hygienic Practices** DO NOT SMOKE IN WORK AREA! Promptly remove contaminated clothing. Wash immediately if skin becomes contaminated. Do not eat or drink in work area while using this product. Wash thoroughly at the end of the workday, before eating and using the restroom.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
Appearance and Odor:	Translucent black liquid. Characteristic Sweet		
Melting Point:	-95.0 C		
Boiling Point:	56 C		
Flash Pt:	-20.00 C	Method Used:	Estimate
Evaporation Rate:			
Explosive Limits:	LEL: 2.6% (Acetone)		UEL: 12.8% (Acetone)
Vapor Pressure (vs. Air or mm Hg):			
Vapor Density (vs. Air = 1):	> Air		
Specific Gravity (Water = 1):			
Density:	6.7 LB/GA		
Solubility in Water:	Partially Miscible		
Autoignition Pt:	465 C		

9.2 Other Information

Percent Volatile:

Section 10. Stability and Reactivity

10.1	Reactivity	
10.2	Stability	Unstable [] Stable [X]
10.3	Conditions To Avoid - Hazardous Reactions:	
	Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
10.4	Conditions To Avoid - Instability	All ignition sources and UV radiation.
10.5	Incompatibility – Materials to Avoid	This product is incompatible with strong oxidizing agents, strong acids or bases. 4-Chlorobenzotrifluoride reaction with sodium dimethylsulfinate is expected to be strongly exothermic.
10.6	Hazardous Decomposition or Byproducts:	Thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide, hydrogen fluoride, hydrogen chloride and organic halides.

Section 11. Toxicological Information

11.1	Information of Toxicological Effects:	
	Chronic Toxicological Effects:	
	Reproductive/Teratological Data:	Acetone has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.
	Carcinogenicity/Other Information:	None Known
	Carcinogenicity:	

Section 12. Ecological Information

12.1	Toxicity:	Not Determined
12.2	Persistence and Degradability:	Not Determined
12.3	Bioaccumulative Potential:	Not Determined
12.4	Mobility in Soil:	Not Determined
12.5	Results of PBT and vPvB assessment:	Not Determined

Section 13. Disposal Considerations

13.1	Waste Disposal Method:	Dispose of material in accordance with applicable local, state, or federal regulations.
------	------------------------	---

Section 14. Transport Information

GHS Classification	Flammable Liquids, Category 2 - Danger! Highly flammable liquid and vapor Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation Specific Target Organ Toxicity (single exposure), Category 3 - Warning! May cause respiratory irritation, or may cause drowsiness and dizziness
--------------------	---

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]
DOT Hazard Class:	3 FLAMMABLE LIQUID
UN/NA Number:	UN 1210 Packing Group: II

Safety Data Sheet

Part Number: 50-0002-01

Name: Cleaner, Acetone

Date: 7/28/15

14.2	LAND TRANSPORT (Canadian TDG):	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]	
	UN Number	1210	Packing Group: II
	Hazard Class	3 – FLAMMABLE LIQUID	TDG Classification:
14.3	LAND TRANSPORT (European ADR/RID):		
	ADR/RID Shipping Name:		
	UN Number	1210	Packing Group: II
	Hazard Class	3 – FLAMMABLE LIQUID	
14.4	AIR TRANSPORT (ICAO/IATA):		
	ICAO/IATA Shipping Name:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]	

Section 15. Regulatory Information

Canadian WHMIS Classification:

B2 - Flammable and combustible material - Flammable liquid
 D2B - Poisonous and infectious material - Other effects - Toxic

SARA TITLE 3:

Section 311/312 Categorizations (40 CFR 372): This product is a hazardous chemical under 29 CFR 1910.1200, and is categorized as an IMMEDIATE HEALTH and FIRE Hazard.
 This product contains the following hazardous chemicals subject to reporting the reporting requirements of Section 313, Title 3 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

	CHEMICAL	CAS NUMBER	% (WEIGHT)
	None		
TSCA STATUS:	All chemical substances used in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances. The following chemicals are listed by CERCLA:		
	CHEMICAL	CAS NUMBER	% (WEIGHT)
	Acetone	67-64-1	>90.0%
			CERCLA RQ(lbs)
			5,000

CALIFORNIA PROP 65:

This product contains the following chemicals listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:

Chemical	CAS NUMBER	% (WEIGHT)
Benzene	71-43-2	Trace

RISK PHRASES*:

R10 Flammable, R11 Highly Flammable; R36 Irritating to eyes; R37 Irritating to the respiratory system; R38 Irritating to the skin; R66 Repeated exposure may cause skin dryness or cracking ; R67 Vapors may cause drowsiness or dizziness.

SAFETY PHRASES*:

S9 Keep container in a well-ventilated place; S16 Keep away from sources of ignition; S24 Avoid contact with skin; S25 Avoid contact with eyes; S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S28 After contact with skin, wash immediately with plenty of water; S33 Take precautionary measures against static discharge; S37 Wear suitable gloves; S39 Wear eye/face protection; S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

HAZARD ABBREVIATIONS*:

Xi Irritant, F Highly Flammable

*Refers to one or more of the components, not the entire mix. Ref Section 2 on page 1.

Section 16. Other Information

Revision Date: 7/28/15

Additional Information About this

Product:

Company Policy or Disclaimer

The information and recommendations contained herein are, to the best of BestCode's knowledge and belief, accurate and reliable as of the date issued. Because many factors may affect processing or application/use, BestCode recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, re-publication or retransmission of this document, in whole or in part, is not permitted. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by BestCode hereunder are given gratis and BestCode assumes no obligation or liability for the description, designs, data and information given or results obtained. All such being given and accepted at your risk.