

Product Number: 52-0060-01

Product Name: Makeup, Acetone/Ethanol Blend

Date: 2/20/2020

Revision: A

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) 2015/830

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name: **Makeup, Acetone/Ethanol Blend**

Product Code: **52-0060-01**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product Use: Printing ink for use in BestCode CIJ

1.3 Details of the supplier of the safety data sheet

BestCode

3034 SE Loop 820

Fort Worth, TX 76140

817-349-8555

For further information, please contact Customer Service:

Customer Service: 817-349-8555

Email: Info@Bestcode.co

1.4 Emergency telephone number

Emergency Contact: Local Poison Information Center

Chem Tel. Inc. Toll Free 800-255-3924

International 813-248-0585

Section 2: Hazards identification

2.1 Classification of the mixture in accordance with Article 40 of Regulation (EC) No 1272/2008

GHS Rating:

Flammable Liquid 2 - H225

Eye Irritant 2 - H319

Specific Target Organ Toxicity (Single Exposure) 3 - H336

2.2 Label elements



Signal word:

Danger



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Hazard statements:

H225 Highly flammable liquid and vapor
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing vapor/ spray.
P264 Wash contaminated skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
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 or shower.
P304+P340 IF INHALED: Remove person to fresh air and keep 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.
P312 Call a POISON CENTRE/doctor if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

2.3 Other Hazards

N/A

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Section 3: Composition/information on ingredients

3.1 Substances:

3.2 Mixtures:

CAS #	EC #	Hazardous components / REACH Registration No.	Concentration	GHS Classification
67-64-1	200-662-2 606-001-00-8	Acetone	60.0-100.0%	Flam. Liq. 2: H225 Eye Damage 2: H319 STOT (SE) 3: H336 EUH066
64-17-5	200-578-6	Ethanol	10.0-30.0%	Flam. Liq. 2 - H225

Section 4: First Aid Measures

4.1 Description of first aid measures

Inhalation: Place unconscious person on their side in the recovery position and ensure breathing can take place. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.

Eyes: Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Skin: Immediately remove contaminated clothing. Rinse immediately with plenty of water. Remove contaminated clothing.

Ingestion: Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

4.2 Most Important symptoms and effects, both acute and delayed

General Information: If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

Inhalation: Vapours may cause drowsiness and dizziness.

Ingestion: May be harmful if swallowed.

Skin Contact: May cause irritation.

Eye Contact: Causes serious eye irritation.



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4.3 Indication of any immediate medical attention and special treatment needed

Notes to doctor: No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

Section 5: Fire Fighting Measures

5.1 Extinguishing media

Extinguish with the following media: Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc. Do not use water, if avoidable.

5.2 Special hazards arising from the substance or mixture

The product is flammable. Heating may generate flammable vapor. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapor.

5.3 Advice for firefighters

Control run-off water by containing and keeping it out of sewers and watercourses.
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective for firefighters clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Evacuate

6.1.2 For emergency responders

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental Precautions

Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.



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6.3 Methods and material for containment and cleaning up

6.3.1 For Containment:

6.3.2 Clean up and disposal of spill:

Keep combustible materials away from spillage. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid spilling. Avoid contact with skin and eyes. Do not wear contact lenses. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Use explosion proof electric equipment. Eye wash facilities and emergency shower must be available when handling this product. During application and drying, solvent vapors will be emitted.

7.2 Conditions for safe storage, including any compatibilities

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

7.3 Specific end use(s)

Fluid delivery to BestCode Series 8 CIJ. Follow safety instructions outlined in 7.1 & 7.2 while handling. Observe warnings provided with BestCode Series 8 CIJ system when installing and handling fluids

Section 8: Exposure control/personal protection

8.1 Control parameters

CAS #	Hazardous components	ACGIH TLV	Australia	Austria
67-64-1	Acetone	TLV: 500 ppm STEL: 750 ppm	TWA: 1200 mg/m3 (500 ppm) STEL: 4800 mg/m3 (2000 ppm)	TWA: 1185 mg/m3 (500 ppm) STEL: 2375 mg/m3 (1000 ppm)
64-17-5	Ethanol	TLV: 1000 ppm	TWA: 1900 mg/m3 (1000 ppm) STEL: 3800 mg/m3 (2000 ppm)	TWA: 1880 mg/m3 (1000 ppm) STEL: ()



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CAS #	Hazardous components	Belgium OEL	California, USA PELs	Ontario, CA
67-64-1	Acetone	TWA: 1210 mg/m ³ (500 ppm) STEL: 2420 mg/m ³ (1000 ppm)	TWA: 1200 mg/m ³ (500 ppm) STEL: 1780 mg/m ³ (750 ppm) CEIL: 3000 ppm	TWA: 500 ppm STEL: 750 ppm
64-17-5	Ethanol	TWA: 1907 mg/m ³ (1000 ppm)	TWA: 1900 mg/m ³ (1000 ppm)	STEL: 1000 ppm

CAS #	Hazardous components	China	Québec, CA	German AGS
67-64-1	Acetone	TWA: 300 mg/m ³ STEL: 450 mg/m ³ (15 min)	TWA: 1190 mg/m ³ (500 ppm) STEL: 2380 mg/m ³ (1000 ppm)	
64-17-5	Ethanol		TWA: 1880 mg/m ³ (1000 ppm)	TWA: 960 mg/m ³ (500 ppm) STEL: 1920 mg/m ³ (1000 ppm) (15 min)

CAS #	Hazardous components	Germany MAK/TRK	Denmark OEL	Spain OEL
67-64-1	Acetone	TWA: 1200 mg/m ³ (500 ppm) STEL: 4800 m ³ /m ³ (15min) (4x) (2000 ppm (15min)(4x))	TWA: 600 mg/m ³ (250 ppm) STEL: 1200 mg/m ³ (500 ppm)	TWA: 1210 mg/m ³ (500 ppm)
64-17-5	Ethanol	TWA: 1900 mg/m ³ (1000 ppm) STEL: 3800 mg/m ³ (2000 ppm) (60min) (3x) TWA: 960 mg/m ³ (500 ppm)	TWA: 1900 mg/m ³ (1000 ppm) STEL: 3800 mg/m ³ (2000 ppm)	STEL: 1910 mg/m ³ (1000 ppm)



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CAS #	Hazardous components	Europe	Finland OEL	France VL
67-64-1	Acetone	TWA: 1210 mg/m3 (500 ppm)		TWA: 1210 mg/m3 (500 ppm) STEL: 2420 mg/m3 (1000 ppm)
64-17-5	Ethanol		TWA: 1900 mg/m3 (1000 ppm) STEL: 2500 mg/m3 (1300 ppm) (15 min)	TWA: 1900 mg/m3 (1000 ppm) STEL: 9500 mg/m3 (5000 ppm)

CAS #	Hazardous components	Hungary OEL	Ireland OEL	Italy OEL
67-64-1	Acetone	TWA: 1210 mg/m3 STEL: 2420 mg/m3	TWA: 1210 mg/m3 (500 ppm)	TWA: 1210 mg/m3 (500 ppm)
64-17-5	Ethanol	TWA: 1900 mg/m3 STEL: 7600 mg/m3	STEL: 1000 ppm (15 min)	

CAS #	Hazardous components	South Korea	Latvia OEL	Mexico OEL
67-64-1	Acetone	TWA: 1188 mg/m3 (500 ppm) STEL: 1782 mg/m3 (750 ppm)	TWA: 1210 mg/m3 (500 ppm)	TWA: 2400 mg/m3 (1000 ppm) STEL: 3000 mg/m3 (1260 ppm)
64-17-5	Ethanol	TWA: 1900 mg/m3 (1000 ppm)	TWA: 1000 mg/m3	TWA: 1900 mg/m3 (1000 ppm) STEL: ()

CAS #	Hazardous components	Malaysia OEL	NIOSH	Netherlands OEL
67-64-1	Acetone	TWA: 1187 mg/m3 (500 ppm)	TWA: 250 ppm	TWA: 1210 mg/m3 STEL: 2420 mg/m3
64-17-5	Ethanol	TWA: 1880 mg/m3 (1000 ppm)	TWA: 1900 mg/m3 (1000 ppm)	TWA: 260 mg/m3 STEL: 1900 mg/m3

CAS #	Hazardous components	New Zealand	OSHA PELs	Poland
67-64-1	Acetone	TWA: 1185 mg/m3 (500 ppm) STEL: 2375 mg/m3 (1000 ppm)	PEL: 1000 ppm	TWA: 600 mg/m3 STEL: 1800 mg/m3
64-17-5	Ethanol	TWA: 1880 mg/m3 (1000 ppm)	PEL: 1000 ppm	TWA: 1900 mg/m3

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CAS #	Hazardous components	Sweden OEL	Singapore	Britain EH40
67-64-1	Acetone	TWA: 600 mg/m ³ (250 ppm) STEL: 1200 mg/m ³ (500 ppm) (15 min)	TWA: 1780 mg/m ³ (750 ppm) STEL: 2380 mg/m ³ (1000 ppm)	TWA: 1210 mg/m ³ (500 ppm) STEL: 3620 mg/m ³ (1500 ppm)
64-17-5	Ethanol	TWA: 1000 mg/m ³ (500 ppm) STEL: 1900 mg/m ³ (1000 ppm) (15 min)	TWA: 1880 mg/m ³ (1000 ppm)	TWA: 1920 mg/m ³ (1000 ppm) STEL: ()

CAS #	Hazardous components	Switzerland OEL	Japan OEL	
67-64-1	Acetone	TWA: 1200 mg/m ³ (500 ppm) STEL: 2400 mg/m ³ (1000 ppm)	TWA: 750 ppm	
64-17-5	Ethanol			

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

8.2.2 Individual protection measures, such as personal protective equipment

Eye/Face protection: Contact lenses should not be worn when working with this chemical. The following protection should be worn: Chemical splash goggles.

Skin protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Use engineering controls to reduce air contamination to permissible exposure level. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact. Provide eyewash station and safety shower.

Respiratory protection:

Hygienic Practices: Provide eyewash station. Wash promptly if skin becomes contaminated. Promptly remove non-impervious clothing that becomes contaminated. When using do not eat, drink or smoke.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Black Liquid		
Odor:	Organic Solvents	Odor threshold:	-
pH:	-	Melting point:	
Boiling range:	56°C @ 101 kPa	Flash point:	-20°C
Evaporation rate:	-	Upper Explosive Limit:	-
		Lower Explosive Limit:	-
Flammability:	-	Vapor Pressure:	-
Vapor density:	-	Relative Density:	-
Solubility(ies):	Soluble in organic solvents. Insoluble in water.	Partition coefficient n-octanol/water:	-
Auto-ignition temperature:	-	Decomposition temperature:	-
Viscosity:	-		
Explosive properties:	-		
Oxidizing properties:	-		

9.2 Other information:

VOC:	-
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Section 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

No particular stability concerns.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid:

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials:

Hazardous decomposition Oxides of carbon. Protection against nuisance dust must be used when the airborne products concentration exceeds 10 mg/m³.

10.6 Hazardous decomposition products

Section 11: Toxicological information

11.1 Information on Toxicological effects

Acute toxicity:

Skin corrosion/irritation:

Serious eye damage/irritation:

Ingestion:

Inhalation:

Respiratory or skin sensitization:

Germ cell mutagenicity:

Carcinogenicity:

Reproductive toxicity:

STOT-single exposure:

STOT-repeated exposure:

Aspiration hazard

The toxicity of this product has not been tested.

Repeated exposure may cause skin dryness or cracking.

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

Gastrointestinal symptoms, including upset stomach.

Gas or vapor in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Vapors have a narcotic effect.

Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting.

11.1.1 Hazard Class information:

11.1.2 Mixture toxicity:

11.1.3 Critical studies:

11.1.4 Non-compliance hazard class:

11.1.5 Information on likely routes of exposure:

11.1.6 Symptoms related to the physical, chemical and toxicological characteristics:

11.1.7 Delayed and immediate effects as well as chronic effects from short and long-term exposure:

11.1.8 Interactive effects:



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11.1.9 Absence of specific data:

11.1.10 Mixtures:

11.1.11 Mixture vs Substance information:

11.1.12 Other information:

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

12.6 Other adverse effects: Not determined

Section 13: Disposal considerations

13.1 Waste treatment methods:

Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Containers should be thoroughly emptied before disposal because of the risk of an explosion.

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Section 14: Transport information

14.1	UN number:	1210
14.2	Proper shipping name:	
	US DOT:	Printing Ink Related Material
	Canadian TDG:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]
	European ADR/RID:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]
	IMDG/IMO:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]
	ICAO/IATA:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]
14.3	Transport hazard class(es) :	3 - FLAMMABLE LIQUID
14.4	Packing group:	II
14.5	Environmental hazards:	N/A
14.6	Special precautions for user:	N/A
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	N/A

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists				
CAS #	Hazardous components	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
67-64-1	Acetone	No	Yes 5000LB	No
64-17-5	Ethanol	No	No	No

CAS #	Hazardous components	Canadian NPRI	Canadian Toxic	Canadian DSL
67-64-1	Acetone	No	No	Yes
64-17-5	Ethanol	Yes	No	Yes

CAS #	Hazardous components	CAA HAP, ODC	CWA NPDES	TSCA
67-64-1	Acetone	No	No	Yes - Inv
64-17-5	Ethanol	No	No	Yes - Inv

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CAS #	Hazardous components	CA Prop 65	Mexico INSQ	Australia ICS
67-64-1	Acetone	No	Listed	Listed
64-17-5	Ethanol	No	Yes	Yes

CAS #	Hazardous components	New Zealand IOC	China IECSC	Japan ENCS
67-64-1	Acetone	Listed	Listed	Yes - 2-542
64-17-5	Ethanol	Yes	Yes	Yes - 5-153

CAS #	Hazardous components	Japan ISHL	Korea ECL	Philippines
67-64-1	Acetone	No	Yes KE-29367	Listed
64-17-5	Ethanol	No	Yes KE-13217	Yes

CAS #	Hazardous components	Taiwan TCSCA	Singapore HSL	Israel HSL:
67-64-1	Acetone	Listed	No	No
64-17-5	Ethanol	Yes	No	Yes - Cat.

CAS #	Hazardous components	Germany WHCS	Switzerland Giftliste 1	Switzerland INNS
67-64-1	Acetone	Yes - 150	Yes G-2429	No
64-17-5	Ethanol	Yes - 96	Yes G-1158	No

CAS #	Hazardous components	REACH	Kyoto GHG	Rotterdam
67-64-1	Acetone	Yes - (R), (P)	No	No
64-17-5	Ethanol	Yes - (R), (P)	No	No

CAS #	Hazardous components	Stockholm		
67-64-1	Acetone	No		
64-17-5	Ethanol	No		

Canadian WHMIS Classification:

15.2 Chemical safety assessment



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Section 16: Other information

Revision Date: 2/20/2020
Revision Notes: A: New Product
Additional Information:

Company 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, republication 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.