

Safety Data Sheet

Product Number: 51-0011-01
Product Name: Ink, Acetone Black

Date: 4/29/2021
Revision: B

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: **Ink, Acetone Black**
Product Code: **51-0011-01**

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 Liquids, Category 2
Skin Corrosive, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Specific Target Organ Toxicity (Narcotic, Respiratory), Category 3

2.2 Label elements



Signal word: **Danger**

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Hazard statements:

H225 - Highly flammable liquid and vapor.
H315 Causes skin irritation
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical/ventilating/light/.../equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash thoroughly after handling
P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves/protective clothing/eye protection/face protection
P312 Call a POISON CENTER or doctor/physician if you feel unwell
P321 Specific treatment (seek medical attention and refer to SDS)
P362 Take off contaminated clothing and wash before reuse
P302+P352 IF ON SKIN: Wash with soap and water
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.
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
P332+P313 If skin irritation occurs: Get medical advice/attention
P337+P313 Get medical advice/attention
P370+P378 In case of fire: Use:foam/dry chemical refer to SDS Evacuate area. Fight fire remotely due to the risk of explosion for extinction
P405 Store locked up
P403+P233 Store in a well ventilated place. Keep container tightly closed
P403+P235 Store in a well ventilated place. Keep cool
P501 Dispose of contents/container in accordance with applicable local, state, or federal regulations.

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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	50.0 -60.0 %	Flam. Liq. 2: H225 Eye Damage 2: H319 STOT (SE) 3: H336 EUH066
98-56-6		Benzene, 1-choro-4-(trifluoromethyl-)	10.00-20.00	Skin Corr 2: H315 Eye Corr 2A: H319 STOT (SE) 3: H336 Aquatic tox C2: H411
72812-34-1	276-857-1	Chromium III Compound	1.00-5.00 %	

Section 4: First Aid Measures

4.1 Description of first aid measures

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.

Eyes: Promptly wash eyes with plenty of water while lifting the eyelids. Remove contact lenses, if worn. Continue to rinse for at least 15 minutes. Seek medical attention, preferably with an ophthalmologist.

Skin: Remove contaminated clothing. Wash affected area with plenty of soap and water. Seek medical attention if irritation develops or persists.

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 the stomach vomit does not enter the lungs. Seek medical attention.

4.2 Most Important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Notes to doctor: Propanone is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Preexisting disorders of the following organs may be aggravated by exposure to this material: skin, lungs (for example, asthma-like conditions).



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Section 5: Fire Fighting Measures

5.1 Extinguishing media

Use: foam, dry chemical, water spray.

5.2 Special hazards arising from the substance or mixture

Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Dry material is an explosive.

Unusual Fire & Explosion Hazards: Material can accumulate static charge, which can cause an incendiary electrical discharge. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

Hazardous Combustion Products: Fire creates toxic gases/vapors/fumes or carbon monoxide (CO), carbon dioxide (CO₂) and/or nitrous oxides.

5.3 Advice for firefighters

Special Procedures: Keep run-off water out of sewer 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 the fire area if it can be done without risk. Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.

Personal Protective Equipment: Wear approved/certified self-contained breathing apparatus and full protective gear.

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

Chemical splash goggles, protective clothing, gloves. Use approved respirator if air contamination is above accepted risk level.



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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

6.3.1 For Containment:

Ventilation. 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.

6.3.2 Clean up and disposal of spill:

Collect spills with absorbent, non-combustible material into suitable containers.

Section 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat, sparks, and open flame. Avoid spilling, skin and eye contact. Use in well ventilated area, avoid breathing vapors. Protect material from direct sunlight. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Do not pressurize, cut, heat or weld containers. Empty containers may contain product residue. Do not reuse empty containers.

7.2 Conditions for safe storage, including any compatibilities

Keep container closed to prevent contamination. Store at an ambient temperature. Store in a cool, well ventilated place away from incompatible materials. Do not handle or store near an open flame, heat or other sources of ignition.

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

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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)

CAS #	Hazardous components	Belgium OEL	California, USA PELs	Ontario, CA
67-64-1	Acetone	TWA: 1210 mg/m3 (500 ppm) STEL: 2420 mg/m3 (1000 ppm)	TWA: 1200 mg/m3 (500 ppm) STEL: 1780 mg/m3 (750 ppm) CEIL: 3000 ppm	TWA: 500 ppm STEL: 750 ppm

CAS #	Hazardous components	China	Québec, CA	German AGS
67-64-1	Acetone	TWA: 300 mg/m3 STEL: 450 mg/m3 (15 min)	TWA: 1190 mg/m3 (500 ppm) STEL: 2380 mg/m3 (1000 ppm)	

CAS #	Hazardous components	Germany MAK/TRK	Denmark OEL	Spain OEL
67-64-1	Acetone	TWA: 1200 mg/m3 (500 ppm) STEL: 4800 m3/m3 (15min) (4x) (2000 ppm (15min)(4x))	TWA: 600 mg/m3 (250 ppm) STEL: 1200 mg/m3 (500 ppm)	TWA: 1210 mg/m3 (500 ppm)

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)



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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)

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)

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

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

CAS #	Hazardous components	Sweden OEL	Singapore	Britain EH40
67-64-1	Acetone	TWA: 600 mg/m3 (250 ppm) STEL: 1200 mg/m3 (500 ppm) (15 min)	TWA: 1780 mg/m3 (750 ppm) STEL: 2380 mg/m3 (1000 ppm)	TWA: 1210 mg/m3 (500 ppm) STEL: 3620 mg/m3 (1500 ppm)

CAS #	Hazardous components	Switzerland OEL	Japan OEL	
67-64-1	Acetone	TWA: 1200 mg/m3 (500 ppm) STEL: 2400 mg/m3 (1000 ppm)	TWA: 750 ppm	

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Local exhaust to minimize exposure to vapor and particulate matter.
 Eye bath, safety shower



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8.2.2 Individual protection measures, such as personal protective equipment

- Eye/Face protection:** Wear safety glasses with side shields or splash proof eye goggles to prevent the possibility of eye contact.
- Skin protection:** Wear protective gloves (e.g., polyvinyl alcohol, nitrile, PTFE) and lab coat to minimize possibility of skin contact.
- Respiratory protection:** None expected to be needed under normal conditions. However, use NIOSH approved half mask air purifying respirator, if needed.
- 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

Appearance:	Black Liquid		
Odor:	Ketone	Odor threshold:	-
pH:	-	Melting point:	-
Boiling range:	56.0 C	Flash point:	> -18.00 C
Evaporation rate:	-	Upper Explosive Limit:	-
		Lower Explosive Limit:	-
Flammability:	-	Vapor Pressure:	-
Vapor density:	> Air	Relative Density:	.958
Solubility(ies):	Miscible	Partition coefficient n-octanol/water:	-
Auto-ignition temperature:	-	Decomposition temperature:	-
Viscosity:	-		
Explosive properties:	-		
Oxidizing properties:	-		

9.2 Other information:

VOC:	0.00
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Section 10: Stability and reactivity

10.1 Reactivity

This product is stable under normal conditions.

10.2 Chemical stability

No particular stability concerns.

10.3 Possibility of hazardous reactions

Will not occur

10.4 Conditions to avoid:

All ignition sources.

10.5 Incompatible materials:

This product is incompatible with strong oxidizing agents, strong bases, strong alkalis, copper, copper alloys, and reducing agents.. 4-Chlorobenzotrifluoride reaction with sodium dimethylsulfinate is expected to be strongly exothermic. Acetone may form explosive mixtures with chromic anhydride, chromyl anhydride, chromyl alcohol, hexachloromelamine, hydrogen peroxide, permonosulfuric acid, potassium tertbutoxide and thioglycol.

10.6 Hazardous decomposition products

Fire may create toxic gases/vapors/fumes of carbon monoxide (CO), carbon dioxide (CO₂) and/or nitrous oxides.

Section 11: Toxicological information

11.1 Information on Toxicological effects

Acute toxicity:	No data available.
Skin corrosion/irritation:	Irritating to skin.
Serious eye damage/irritation:	Irritating to eyes.
Ingestion:	No data available.
Inhalation:	No data available.
Respiratory or skin sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	None of the components of this product are considered to be carcinogens.
Reproductive toxicity:	No data available.
STOT-single exposure:	No data available.
STOT-repeated exposure:	No data available.
Aspiration hazard	No data available.



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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:

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:

We have no information concerning the ecological effects of this product.

12.2 Persistence and degradability:

No information available



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12.3 Bioaccumulative potential:

No information available

12.4 Mobility in soil:

No information available

12.5 Results of PBT and vPvB assessment: Not determined

No information available

12.6 Other adverse effects:

No information available

Section 13: Disposal considerations

13.1 Waste treatment methods:

Disposal of at a facility that complies with local, state and federal regulations. DO NOT DISPOSE IN SEWER, WATERWAYS, OR ON GROUND. Do not attempt to recycle by distillation or incinerate empty container due to possible explosion hazards. Empty containers contain product residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose to heat, flame, sparks, static electricity, or sources of ignition. They may explode and cause injury or death.

Section 14: Transport information

14.1	UN number:	1210
14.2	Proper shipping name:	
	US DOT:	Printing Ink
	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

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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

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

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

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

CAS #	Hazardous components	New Zealand IOC	China IECS	Japan ENCS
67-64-1	Acetone	Yes	Yes	Yes - 2-542

CAS #	Hazardous components	Japan ISHL	Korea ECL	Philippines
67-64-1	Acetone	No	Yes KE-29367	Yes

CAS #	Hazardous components	Taiwan TCSCA	Singapore HSL	Israel HSL:
67-64-1	Acetone	Yes	No	No

CAS #	Hazardous components	Germany WHCS	Switzerland Giftliste 1	Switzerland INNS
67-64-1	Acetone	Yes - 6	Yes G-1031	No



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

CAS #	Hazardous components	Stockholm		
67-64-1	Acetone	No		

15.2 Chemical safety assessment

Section 16: Other information

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Revision Notes: B: Updated to (EC) No. 1907/2006 as amended by (EC) No. 2015/830

Additional Information:

Company Disclaimer:

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