SAFETY DATA SHEET
51-0017-01 Ink Green Food Grade

Version 1.0, Date of issue 03-21-25

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2020/878; US OSHA HCS 2015; and Canadian WHMIS 2015.

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

1.1 Product Code: 51-0017-01
Product Name: Ink Green Food Grade

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

1.3 Supplier's details

Name	Bestcode
Address	3034 SE Loop 820 Fort Worth, TX 76140 USA
Telephone	817-349-8555
Email	Info@bestcode.co

1.4 Emergency phone number

Chem Tel Inc. Toll Free 800-255-3924
International 813-248-0585

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

Flammable Liquids, Category 2
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2
Aquatic Toxicity (Acute), Category 2

2.2 Label Elements:

GHS Signal Word: **Danger**

Hazard-determining components of labelling:

Acetone
Acetic acid, ethyl ester
Ammonium hydroxide

GHS Hazard Phrases:

EUH066 - Repeated exposure may cause skin dryness or cracking.
H225 - Highly flammable liquid and vapor.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H401 - Toxic to aquatic life.

GHS Precautionary Phrases:

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/lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P264 - Wash hands thoroughly after handling.

P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P302+352 - IF ON SKIN: Wash with plenty of soap and water.
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.
P321 - Specific treatment see ... on this label.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P362+364 - Take off contaminated clothing and wash it before reuse.
P370+378 - In case of fire, use appropriate media to extinguish.

GHS Storage and Disposal Phrases:

P403+235 - Store in cool/well-ventilated place.
P501 - Dispose of contents/container to ...

UFI:

2.3 Adverse Human Health Effects and Symptoms: Hazards not otherwise classified (HNOC) or not covered by GHS -none. Hazards not otherwise classified (HNOC) or not covered by GHS. Chronic: None.

2.3.1 Inhalation: No hazard expected in normal industrial use.

2.3.2 Skin Contact: Non-irritating to the skin.

2.3.3 Eye Contact: Non-irritating to the eyes.

2.3.4 Ingestion: No hazard expected in normal industrial use.

Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
64-17-5	Ethyl alcohol	42.25 -66.0 %	200-578-6	Flam. Liq. 2: H225

	01-2119457610-43		603-002-00-5	
67-64-1	Acetone 01-2119471330-49	2.0 -5.0 %	200-662-2 606-001-00-8	Flam. Liq. 2: H225 Eye Damage 2: H319 STOT (SE) 3: H336 EUH066
57-55-6	Propylene glycol 01-2119456809-23	0.45 -4.0 %	200-338-0 NA	No GHS classifications apply.
141-78-6	Acetic acid, ethyl ester 01-2119475103-46	0.75 -1.4 %	205-500-4 607-022-00-5	Flam. Liq. 2: H225 Eye Damage 2: H319 STOT (SE) 3: H335 H336 EUH066
1336-21-6	Ammonium hydroxide 01-2119982985-14	1.0 -3.0 %	215-647-6 007-001-01-2	Skin Corr. 1B: H314 Aquatic (A) 1: H400
7732-18-5	Water na	15.0 -25.0 %	231-791-2 NA	No GHS classifications apply.
NA	Non Hazardous	0.0 -1.8 %	NA NA	No data available.

Section 4. First Aid Measures

4.1 Description of First Aid Measures: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In Case of Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

In Case of Skin Contact: Wash off with soap and plenty of water. Consult a physician. Take off contaminated clothing and shoes immediately. No specific treatment is necessary, since this material is not likely to be hazardous.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital. No specific treatment is necessary, since this material is not likely to be hazardous.

In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. No specific treatment is necessary, since this material is expected to be non-hazardous.

4.2 Important Symptoms and Effects, Both Acute and Delayed: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 The most important known symptoms and effects are described in the labelling (see section 2 .2) and/or in section 11

Note for the Doctor: Treat symptomatically and supportively.

4.3 Indication of any immediate medical attention and special treatment needed: No data available.

Section 5. Fire Fighting Measures

5.1 Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Not available.

5.2 Flammable Properties and Hazards: Carbon oxides,

No data available.

No data available.

Flash Pt: > -20.00 C Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: > 365.00 C

5.3 Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary.

Further information. No data available. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up.
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

Reference to other sections
Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

Section 7. Handling and Storage

7.1 Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2. Use explosion-proof equipment. No special handling procedures are required.

7.2 Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 -8 - 8 deg.C.
Storage class 510) Hygroscopic. No special storage requirements.

Other Precautions: Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
64-17-5	Ethyl alcohol	ACGIH TLV	TLV: 1000 ppm STEL: 1000 ppm	
		Australia	TWA: 1900 mg/m3 (1000 ppm) STEL: 3800 mg/m3 (2000 ppm)	
		Austria	TWA: 1880 mg/m3 (1000 ppm) STEL: ()	
		Belgium OEL	TWA: 1907 mg/m3 (1000 ppm)	
		California, USA PELs	TWA: 1900 mg/m3 (1000 ppm)	
		Ontario, CA	STEL: 1000 ppm	
		Québec, CA	TWA: 1880 mg/m3 (1000 ppm)	
		German AGS (Ausschuss für Gefa	TWA: 960 mg/m3 (500 ppm) STEL: 1920 mg/m3 (1000 ppm) (15 min)	
		Germany MAK/TRK	TWA: 1900 mg/m3 (1000 ppm) STEL: 3800 mg/m3 (2000 ppm) (60min) (3x) TWA: 960 mg/m3 (500 ppm)	
		Denmark OEL	TWA: 1900 mg/m3 (1000 ppm) STEL: 3800 mg/m3 (2000 ppm)	
		Spain OEL	STEL: 1910 mg/m3 (1000 ppm)	
		Finland OEL	TWA: 1900 mg/m3 (1000 ppm) STEL: 2500 mg/m3 (1300 ppm) (15 min)	
		France VL	TWA: 1900 mg/m3 (1000 ppm) STEL: 9500 mg/m3 (5000 ppm)	
		Hungary OEL	TWA: 1900 mg/m3 STEL: 7600 mg/m3	
		Ireland OEL	STEL: 1000 ppm (15 min)	
		South Korea	TWA: 1900 mg/m3 (1000 ppm)	
		Latvia OEL	TWA: 1000 mg/m3	
		Mexico OEL	TWA: 1900 mg/m3 (1000 ppm) STEL: ()	
		Malaysia OEL	TWA: 1880 mg/m3 (1000 ppm)	

	NIOSH	TWA: 1900 mg/m3 (1000 ppm)
64-17-5 Ethyl alcohol (continued)	Netherlands OEL	TWA: 260 mg/m3 STEL: 1900 mg/m3
	New Zealand	TWA: 1880 mg/m3 (1000 ppm)
	OSHA PELs	PEL: 1000 ppm
	Poland	TWA: 1900 mg/m3
	Sweden OEL	TWA: 1000 mg/m3 (500 ppm) STEL: 1900 mg/m3 (1000 ppm) (15 min)
	Singapore	TWA: 1880 mg/m3 (1000 ppm)
	Britain EH40	TWA: 1920 mg/m3 (1000 ppm) STEL: ()
	ACGIH TLV	TLV: 250 ppm STEL: 500 ppm
67-64-1 Acetone	Australia	TWA: 1200 mg/m3 (500 ppm) STEL: 4800 mg/m3 (2000 ppm)
	Austria	TWA: 1185 mg/m3 (500 ppm) STEL: 2375 mg/m3 (1000 ppm)
	Belgium OEL	TWA: 1210 mg/m3 (500 ppm) STEL: 2420 mg/m3 (1000 ppm)
	California, USA PELs	TWA: 1200 mg/m3 (500 ppm) STEL: 1780 mg/m3 (750 ppm) CEIL: 3000 ppm
	Ontario, CA	TWA: 500 ppm STEL: 750 ppm
	Switzerland OEL	TWA: 1200 mg/m3 (500 ppm) STEL: 2400 mg/m3 (1000 ppm)
	China	TWA: 300 mg/m3 STEL: 450 mg/m3 (15 min)
	Québec, CA	TWA: 1190 mg/m3 (500 ppm) STEL: 2380 mg/m3 (1000 ppm)
	Germany MAK/TRK	TWA: 1200 mg/m3 (500 ppm) STEL: 4800 m3/m3 (15min) (4x) (2000 ppm (15min)(4x))
	Denmark OEL	TWA: 600 mg/m3 (250 ppm) STEL: 1200 mg/m3 (500 ppm)
	Spain OEL	TWA: 1210 mg/m3 (500 ppm)
	Europe	TWA: 1210 mg/m3 (500 ppm)
	France VL	TWA: 1210 mg/m3 (500 ppm) STEL: 2420 mg/m3 (1000 ppm)
	Hungary OEL	TWA: 1210 mg/m3 STEL: 2420 mg/m3
	Ireland OEL	TWA: 1210 mg/m3 (500 ppm)
	Italy OEL	TWA: 1210 mg/m3 (500 ppm)
	Japan OEL	TWA: 750 ppm
	South Korea	TWA: 1188 mg/m3 (500 ppm) STEL: 1782 mg/m3 (750 ppm)
	Latvia OEL	TWA: 1210 mg/m3 (500 ppm)
	Mexico OEL	TWA: 2400 mg/m3 (1000 ppm) STEL: 3000 mg/m3 (1260 ppm)
	Malaysia OEL	TWA: 1187 mg/m3 (500 ppm)
	NIOSH	TWA: 250 ppm
	Netherlands OEL	TWA: 1210 mg/m3 STEL: 2420 mg/m3

67-64-1 Acetone (continued)	New Zealand	TWA: 1185 mg/m3 (500 ppm) STEL: 2375 mg/m3 (1000 ppm)
	OSHA PELs	PEL: 1000 ppm
	Poland	TWA: 600 mg/m3 STEL: 1800 mg/m3
	Sweden OEL	TWA: 600 mg/m3 (250 ppm) STEL: 1200 mg/m3 (500 ppm) (15 min)
	Singapore	TWA: 1780 mg/m3 (750 ppm) STEL: 2380 mg/m3 (1000 ppm)
	Britain EH40	TWA: 1210 mg/m3 (500 ppm) STEL: 3620 mg/m3 (1500 ppm)
	Austria	TWA: 474 mg/m3 (150 ppm) STEL: () (Vapor)
57-55-6 Propylene glycol	Ontario, CA	TWA: 10 mg/m3 (Particulate)
	Ireland OEL	TWA: 10 mg/m3 (Particulate)
	Latvia OEL	TWA: 7 mg/m3 (Particulate)
	New Zealand	TWA: 474 mg/m3 (150 ppm) (Fume or dust)
	Britain EH40	TWA: 474 mg/m3 (150 ppm) (Particulate)
	ACGIH TLV	TLV: 400 ppm
141-78-6 Acetic acid, ethyl ester	Australia	TWA: 1050 mg/m3 (300 ppm) STEL: 2100 mg/m3 (600 ppm)
	Austria	TWA: 720 mg/m3 (200 ppm) STEL: 1440 mg/m3 (400 ppm)
	Belgium OEL	TWA: 1461 mg/m3 (400 ppm)
	California, USA PELs	TWA: 1400 mg/m3 (400 ppm)
	Ontario, CA	TWA: 400 ppm
	Switzerland OEL	TWA: 1400 mg/m3 (400 ppm) STEL: 2800 mg/m3 (800 ppm)
	China	TWA: 200 mg/m3 STEL: 300 mg/m3 (15 min)
	Québec, CA	TWA: 1440 mg/m3 (400 ppm)
	German AGS (Ausschuss für Gefa	TWA: 1500 mg/m3 (400 ppm) STEL: 3000 mg/m3 (800 ppm) (15 min)
	Germany MAK/TRK	TWA: 1050 mg/m3 (300 ppm) STEL: 2100 mg/m3 (600 ppm) (5min) (8x)
	Denmark OEL	TWA: 540 mg/m3 (150 ppm) STEL: 1080 mg/m3 (300 ppm)
	Spain OEL	TWA: 1460 mg/m3 (400 ppm)
	Finland OEL	TWA: 1100 mg/m3 (300 ppm) STEL: 1800 mg/m3 (500 ppm) (15 min)
	France VL	TWA: 1400 mg/m3 (400 ppm)
	Hungary OEL	TWA: 1400 mg/m3 STEL: 1400 mg/m3
	Ireland OEL	TWA: 200 ppm STEL: 400 ppm (15 min)
	Japan OEL	TWA: 400 ppm
	South Korea	TWA: 1400 mg/m3 (400 ppm)
	Latvia OEL	TWA: 200 mg/m3
	Mexico OEL	TWA: 1400 mg/m3 (400 ppm) STEL: ()
	Malaysia OEL	TWA: 1440 mg/m3 (400 ppm)
	NIOSH	TWA: 1400 mg/m3 (400 ppm)
	New Zealand	TWA: 720 mg/m3 (200 ppm)

141-78-6	Acetic acid, ethyl ester (continued)	OSHA PELs	PEL: 400 ppm
		Poland	TWA: 200 mg/m3 STEL: 600 mg/m3
		Sweden OEL	TWA: 500 mg/m3 (150 ppm) STEL: 1100 mg/m3 (300 ppm) (15 min)
		Singapore	TWA: 1440 mg/m3 (400 ppm)
		Britain EH40	TWA: (200 ppm) STEL: (400 ppm)
		Finland OEL	TWA: 14 mg/m3 (20 ppm) STEL: 36 mg/m3 (50 ppm) (15 min)
1336-21-6	Ammonium hydroxide		

8.2 Exposure Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. There are no special ventilation requirements.

8.2.1 Engineering Controls (Ventilation etc.):

8.2.2 Personal protection equipment:

Eye Protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses with side-shields conforming to EN166. Tightly fitting safety goggles. Faceshield (8-inch minimum). Eye protection is not normally required.

Protective Gloves: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact.
Material: Nitrile rubber, Minimum layer thickness: 0.11 mm, Break through time: 480 min.
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario. Splash contact:
Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 113 min.
Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 480 min.
Protective garments not normally required.

Other Protective Clothing: Impervious clothing. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Complete suit protecting against chemicals. Protective garments not normally required.

Respiratory Equipment (Specify Type): Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respirator protection is not normally required.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.3 Environmental Exposure Controls: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Exposure Scenarios: No data available.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States:	[ ] Gas [X] Liquid [ ] Solid
Appearance and Odor:	Appearance: green. Odor: ammonia-like.
pH:	No data.
Melting Point:	NA -94.00 - 137.00 C
Boiling Point:	38.00 C - 187.00 C
Flash Pt:	> -20.00 C Method Used: Estimate
Evaporation Rate:	No data.
Saturated Vapor Concentration:	No data.
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or mm Hg):	No data.
	No data.
Vapor Density (vs. Air = 1):	> Air
Specific Gravity (Water = 1):	~ 0.895
Density:	~ 0.8928 G/ML (~ 7.45 - LB/GA)
Solubility in Water:	Miscible
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	> 365.00 C
Decomposition Temperature:	No data.
Viscosity:	No data.
Explosive Properties:	No data available.
Oxidizing Properties:	No data available.

9.2 Other Information

9.2.1 Information with regard to physical hazard classes

Information with regard to primary physical hazard:

9.2.2 Other safety characteristics

Percent Volatile: < 60.0 %

Section 10. Stability and Reactivity

10.1 Reactivity: **Materials To Avoid:**

10.2 Stability:

10.3 Conditions To Avoid - Hazardous Reactions:

Possibility of Hazardous Reactions:

10.4 Conditions To Avoid - Instability:

10.5 Incompatibility -

re with air. Will occur [ ] Will not occur [X]

Heat, flames and sparks. Extremes of temperature and direct sunlight. No data available.

Strong oxidizing agents. Strong oxidizing agents, Strong reducing agents, Bases, Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents, Copper, Iron. Zinc. None.

No data available.

Unstable [ ]

Stable [X]

None of the above

Vapor pressure

10.6 Hazardous Decomposition or Byproducts: No data available. In the event of fire: see section 5. Other decomposition products: None.

Section 11. Toxicological Information

11.1 Information on Toxicological Effects: Acute toxicity.
No data available. Inhalation: Dermal. Germ cell mutagenicity. Reproductive toxicity. Aspiration hazard: Kidney, Ureter, Bladder:Changes in both tubules and glomeruli. Blood:Changes in spleen. Behavioral: Muscle contraction or spasticity.
(Ammonium hydroxide)
Specific target organ toxicity - single exposure: Specific target organ toxicity - repeated exposure: Epidemiology: Teratogenicity: No data available.
Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies:

Irritation or Corrosion: Skin corrosion/irritation. No data available. Serious eye damage/eye irritation no data available. Provide adequate ventilation.
Result: Tumorigenic:Tumors at site or application. Mild eye irritation -24. Serious eye damage/eye irritation: Eyes - rabbit -
Skin: Human.
Mild skin irritation -7 d Serious eye damage/eye irritation Eyes -Rabbit Eyes: Result: Mild skin irritation (OECD Test Guideline 404) Serious eye damage/eye irritation Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.

Sensitization: No data available. Guinea pig 88%, 4
Result: Tumorigenic:Tumors at site or application.

Chronic Toxicological Effects: Specific target organ toxicity -single exposure (Globally Harmonized System) No data available.
Specific target organ toxicity -repeated exposure: no data available. Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure:

Carcinogenicity/Other Information: 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.
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.
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. This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64-17-5	Ethyl alcohol	n.a.	1	A4	n.a.
67-64-1	Acetone	n.a.	n.a.	A4	n.a.
57-55-6	Propylene glycol	n.a.	n.a.	n.a.	n.a.
141-78-6	Acetic acid, ethyl ester	n.a.	n.a.	n.a.	n.a.
1336-21-6	Ammonium hydroxide	n.a.	n.a.	n.a.	n.a.
7732-18-5	Water	n.a.	n.a.	n.a.	n.a.
NA	Non Hazardous	n.a.	n.a.	n.a.	n.a.

Section 12. Ecological Information

12.1 Toxicity: No data available.

12.2 Persistence and Degradability: No data available. Biodegradability Result: 91 % -Readily biodegradable. - Readily biodegradable.

12.3 Bioaccumulative Potential: No data available. Does not bioaccumulate. Bioaccumulation: other fish - -3.

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects: No data available. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life. Very toxic to aquatic life.

Section 13. Disposal Considerations

13.1 Waste Disposal Method: Product.

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14. Transport Information

GHS Classification:

Flammable Liquids, Category 2 - Danger! Highly flammable liquid and vapor

Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation

Serious Eye Damage/Eye Irritation, Category 2 - Warning! Causes serious eye irritation

Aquatic Toxicity (Acute), Category 2 - Toxic to aquatic life

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: UN1210 **Packing Group:** II

14.1 LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]

UN Number: UN1210 **Packing Group:** II

Hazard Class: 3 - FLAMMABLE LIQUID **TDG Classification:**

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]

UN Number: UN1210 **Packing Group:** II

Hazard Class: 3 - FLAMMABLE LIQUID

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]

UN Number: UN1210 **Packing Group:** II

Hazard Class: 3 - FLAMMABLE LIQUID

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
64-17-5	Ethyl alcohol	No	No	No
67-64-1	Acetone	No	Yes NA	No
57-55-6	Propylene glycol	No	No	No
141-78-6	Acetic acid, ethyl ester	No	Yes NA	No
1336-21-6	Ammonium hydroxide	No	Yes NA	No
7732-18-5	Water	No	No	No
NA	Non Hazardous	No	No	No

CAS #	Hazardous Components (Chemical Name)	Canadian NPRI	Canadian Toxic	Canadian DSL
64-17-5	Ethyl alcohol	Yes: Part 5		Yes
67-64-1	Acetone	No	No	Yes
57-55-6	Propylene glycol	No	No	Yes
141-78-6	Acetic acid, ethyl ester	Yes: Part 5	No	Yes
1336-21-6	Ammonium hydroxide	No	No	Yes
7732-18-5	Water	No	No	Yes
NA	Non Hazardous	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
64-17-5	Ethyl alcohol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8
67-64-1	Acetone	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8
57-55-6	Propylene glycol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No
141-78-6	Acetic acid, ethyl ester	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8
1336-21-6	Ammonium hydroxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8
7732-18-5	Water	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No
NA	Non Hazardous	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
64-17-5	Ethyl alcohol	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC:

Yes; China IECSC: Yes; Japan ENCS: Yes - 5-153; Japan

		ISHL: No; Korea ECL: Yes - KE-13217; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: Yes - Cat.; Germany WHCS: Yes - 96: WGK 1; Switzerland Giftliste 1: Yes - G-1158; Switzerland INNS: No; REACH: Yes - 01-2119457610-43: Full, (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
67-64-1	Acetone	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 2-542; Japan ISHL: No; Korea ECL: Yes - KE-29367; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes - 6: WGK 1; Switzerland Giftliste 1: Yes - G-1031; Switzerland INNS: No; REACH: Yes - 01-2119471330-49: Full, (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
57-55-6	Propylene glycol	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 7-62; Japan ISHL: Yes - 2-(8)-323; Korea ECL: Yes - KE-29267; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes - 280: WGK 1; Switzerland Giftliste 1: Yes - G-2798; Switzerland INNS: No; REACH: Yes - 01-2119456809-23: Full, (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
141-78-6	Acetic acid, ethyl ester	Mexico INSQ: Yes - 1173; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 2-726; Japan ISHL: No; Korea ECL: Yes - KE-00047; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes - 95: WGK 1; Switzerland Giftliste 1: Yes - G-1157; Switzerland INNS: No; REACH: Yes - 01-2119475103-46: Full, (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
1336-21-6	Ammonium hydroxide	Mexico INSQ: Yes - 2672; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 1-314; Japan ISHL: No; Korea ECL: Yes - KE-01688; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: Yes - 34022093; Israel HSL: No; Germany WHCS: Yes - 211: WGK 2; Switzerland Giftliste 1: Yes - G-1100; Switzerland INNS: No; REACH: Yes - 01-2119982985-14: Intermediate, (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
7732-18-5	Water	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 7-1663; Japan ISHL: 2-(4)-1220; Korea ECL: Yes - KE-35400; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: No; Switzerland Giftliste 1: No; Switzerland INNS: No; REACH: Yes - 01-2120888954-31: Full, (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
NA	Non Hazardous	Mexico INSQ: No; Australia ICS: No; New Zealand IOC: No; China IECSC: No; Japan ENCS: No; Japan ISHL: No; Korea ECL: No; Philippines ICCS: No; Taiwan TCSCA: No; Singapore HSL: No; Israel HSL: No; Germany WHCS: No; Switzerland Giftliste 1: No; Switzerland INNS: No; REACH: No; Kyoto GHG: No; Rotterdam: No; Stockholm: No

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16. Other Information

Revision Date: 03/21/2025

Additional Information About This Product: No data available.

Company Policy or Disclaimer:

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their purposes. In no event shall BestCode be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if BestCode has been advised of the possibility of such damages.