Alba Ink

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Rules and Regulations / Issue date: 08/15/2023
Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name & Item Number Alba Ink Item No. 1042, 1044

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Albatross USA, Inc.
36-41 36th Street
Long Island City, NY 11106

Phone: (718) 392-6272
Fax: (718) 392-2899
Email: sales@albachem.com
Web. www.albachem.com

1.4. Emergency Support

Emergency Support : Spill, leak, fire, exposure of accident – Call CHEMTREC – Day or Night 1 800-424-9300 or +1 703-527-3887 (USA & Canada). CHEMTEC MEXICO 01-800-681-9531

SECTION 2: Hazard(s) Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 4	H227	Combustible liquid
Hazardous to the aquatic environment - Acute Hazard Category 3	H402	Harmful to aquatic life

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Signal word (GHS US) : Warning

Hazard statements (GHS US) : H227 - Combustible liquid
H402 - Harmful to aquatic life

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container to hazardous or special waste collection point in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Dipropylene glycol methyl ether acetate	(CAS-No.) 88917-22-0	35-40	Flam. Liq. 4, H227
dimethyl glutarate	(CAS-No.) 1119-40-0	30-40	Aquatic Acute 3, H402
dimethyl succinate	(CAS-No.) 106-65-0	10-20	Aquatic Acute 3, H402
dimethyl adipate	(CAS-No.) 627-93-0	5-15	Acute Tox. 4 (Dermal), H312 Aquatic Acute 3, H402
dipropylene glycol monomethyl ether	(CAS-No.) 34590-94-8	<5	Flam. Liq. 4, H227

SECTION 4: First-Aid Measures

4.1. Description of first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-Fighting Measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to Section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to Section 13.

SECTION 7: Handling & Storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

AlbaChem® Cutting Mat Cleaner

Name	CAS	OSHA/ACGIH – TWA	OSHA/ACGIH – STEL	OSHA/ACGIH – Ceiling
Dipropylene glycol methyl ether acetate	88917-22-0	Not applicable	Not applicable	Not applicable
dipropylene glycol monomethyl ether	34590-94-8	600 mg/m³; 100 ppm; 100 ppm	150 ppm	Not applicable
dimethyl glutarate	1119-40-0	Not applicable	Not applicable	Not applicable
dimethyl succinate	106-65-0	Not applicable	Not applicable	Not applicable
dimethyl adipate	627-93-0	Not applicable	Not applicable	Not applicable

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

SECTION 9: Physical & Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Mixture contains one or more component(s) which have the following colour(s):
Colorless

Odor : There may be no odor warning properties, odor is subjective and inadequate to warn of overexposure.
Mixture contains one or more component(s) which have the following odor:
Ether-like odor Mild odor Sweet odor Odourless

Odor threshold : No data available

pH : No data available

Melting point : Not applicable

Freezing point : No data available

Boiling point : 190 °C | 374°F [Lowest Component]

Flash point : 75 °C | 167°F [Lowest Component]

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : Not applicable.

Vapor pressure : No data available

Relative vapor density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	8.706 lb/gal [Calculated]
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	207 °C | 404.6°F [Lowest Component]
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability & Reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Name	CAS	LD_{50} Oral	LD_{50} Dermal	LD_{50} Inhalation
Dipropylene glycol methyl ether acetate	88917-22-0	Not applicable	Not applicable	Not applicable
dipropylene glycol monomethyl ether	34590-94-8	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))	Not applicable	> 1.67 mg/l air (Equivalent or similar to OECD 403, 7 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))
dimethyl glutarate	1119-40-0	Not applicable	Not applicable	Not applicable
dimethyl succinate	106-65-0	6892 mg/kg (Rat, Female, Experimental value, Oral, 14 day(s))	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)	Not applicable
dimethyl adipate	627-93-0	> 5000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, 14 day(s), Rat, Female, Read-across, Oral)	Not applicable	> 11 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Read-across, Inhalation (aerosol))

Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified

Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT–single exposure	:	Not classified
STOT–repeated exposure	:	Not classified
Aspiration hazard	:	Not classified
Viscosity, kinematic	:	No data available

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - general : Harmful to aquatic life.

Name	CAS	LD_{50} Fish	EC_{50} Crustacae	ErC_{50} Fish
Dipropylene glycol methyl ether acetate	88917-22-0	Not applicable	Not applicable	Not applicable
dipropylene glycol monomethyl ether	34590-94-8	Not applicable	Not applicable	> 969 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
dimethyl glutarate	1119-40-0	Not applicable	112 – 150 ppm (EPA OTS 797.1300, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Lethal)	Not applicable
dimethyl succinate	106-65-0	Not applicable	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
dimethyl adipate	627-93-0	Not applicable	72 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)	Not applicable

12.2. Persistence and degradability

Dipropylene glycol methyl ether acetate (88917-22-0)	
Persistence and degradability	Biodegradability in water: no data available.

dipropylene glycol monomethyl ether (34590-94-8)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0 g O_2/g substance
ThOD	2.06 g O_2/g substance
BOD (% of ThOD)	0

dimethyl glutarate (1119-40-0)	
Persistence and degradability	Readily biodegradable in water.

dimethyl succinate (106-65-0)	
Persistence and degradability	Readily biodegradable in water.

dimethyl adipate (627-93-0)	
Persistence and degradability	Readily biodegradable in water.
ThOD	1.747 g O_2/g substance

12.3. Bioaccumulative potential

Dipropylene glycol methyl ether acetate (88917-22-0)	
Partition coefficient n-octanol/water (Log Pow)	0.66 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
dipropylene glycol monomethyl ether (34590-94-8)	
Partition coefficient n-octanol/water (Log Pow)	0.004 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
dimethyl glutarate (1119-40-0)	
Partition coefficient n-octanol/water (Log Pow)	0.49 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
dimethyl succinate (106-65-0)	
BCF other aquatic organisms 1	3.16 l/kg (BCFBAF v3.01, QSAR)
Partition coefficient n-octanol/water (Log Pow)	0.33 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 40 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
dimethyl adipate (627-93-0)	
Partition coefficient n-octanol/water (Log Pow)	1.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

dipropylene glycol monomethyl ether (34590-94-8)	
Surface tension	68.7 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Ecology - soil	No (test) data on mobility of the substance available.
dimethyl glutarate (1119-40-0)	
Partition coefficient n-octanol/water (Log Koc)	0.718 – 1.065 (log Koc, SRC PCKOCWIN v2.0, Estimated value)
Ecology - soil	Highly mobile in soil.
dimethyl succinate (106-65-0)	
Partition coefficient n-octanol/water (Log Koc)	1 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology - soil	Highly mobile in soil.
dimethyl adipate (627-93-0)	
Ecology - soil	No (test) data on mobility of the substance available.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal Considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Dipropylene glycol methyl ether acetate	CAS-No. 88917-22-0	35-40%

15.2. International regulations

CANADA

dipropylene glycol monomethyl ether (34590-94-8)
Listed on the Canadian DSL (Domestic Substances List)

dimethyl glutarate (1119-40-0)
Listed on the Canadian DSL (Domestic Substances List)

dimethyl succinate (106-65-0)
Listed on the Canadian DSL (Domestic Substances List)

dimethyl adipate (627-93-0)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

National regulations

Dipropylene glycol methyl ether acetate (88917-22-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
dipropylene glycol monomethyl ether(34590-94-8)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases:

H227	Combustible liquid
H312	Harmful in contact with skin
H402	Harmful to aquatic life

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.