VAPCO PRODUCTS, INC.

Safety Data Sheet
Coat IT Blue Liquid

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Coat IT Blue Liquid
Product number	CIB-1, CIB-5, CIB-55
Brand	Vapco

1.3 Recommended use of the chemical and restrictions on use

Corrosion protection coating

1.4 Supplier's details

Name	Vapco Products, Inc.
Address	401 Marshall Road Valley Park, Missouri 63088 United States
Telephone	(636) 923-2121
Fax	(636) 923-3002
email	info@VapcoProducts.com

1.5 Emergency phone number

(800) 255-3924

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, oral, Cat. 4
- Eye damage/irritation, Cat. 1
- Flammable liquids, Cat. 3
- Skin corrosion/irritation, Cat. 1B
- Specific target organ toxicity (single exposure), Cat. 3

2.2 GHS label elements, including precautionary statements

Pictograms

Signal word	**Danger**
Hazard statement(s)	
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
Precautionary statement(s)	
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.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER /doctor if you feel unwell.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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.
P310	Immediately call a POISON CENTER/doctor if exposed or concerned.
P312	Call a POISON CENTER/doctor if you feel unwell.
P321	Specific treatment (see First Aid on this label).
P330	Rinse mouth.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use appropriate media 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 to the specifications of local, regional, national, and international regulations.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Isopropyl alcohol

Concentration	1 - 20 % (weight)
EC no.	200-661-7
CAS no.	67-63-0
Index no.	603-117-00-0

2. 2-Butoxyethanol

Concentration	1 - 20 % (weight)
EC no.	203-905-0
CAS no.	111-76-2
Index no.	603-014-00-0

3. Dimethylaminoethanol

Concentration	1 - 10 % (weight)
EC no.	203-542-8
CAS no.	108-01-0
Index no.	603-047-00-0

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
If inhaled	First, take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate respiratory protective equipment, use the buddy system), then remove the exposed person to fresh air. Keep at rest in a position comfortable for breathing. Get medical advice/attention.
In case of skin contact	Immediately drench affected area with water for at least 15 minutes. Remove contaminated clothing immediately. Obtain medical attention if irritation develops or persists.
In case of eye contact	Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
If swallowed	Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2 Most important symptoms/effects, acute and delayed

Acute Health Hazards

Symptoms/Injuries: Harmful if inhaled. Causes serious eye and skin irritation. May cause drowsiness and dizziness. Asphyxia by lack of oxygen: risk of death.

Symptoms/Injuries After Eye Contact: Causes causes mild irritation with redness, tearing, and blurred vision.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Explosion Hazard: Container may explode in heat of fire. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.
Incompatibility: Reacts with strong oxidizing agents. Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

5.3 Special protective actions for fire-fighters

Precautionary Fire Measures: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Use dry chemical, foam, or carbon dioxide (CO2). Do not breathe fumes from fire or vapors from decomposition. Do NOT fight fire when fire reaches containers. Evacuate area. Fight fire remotely due to the risk of explosion. Shut off all sources of ignition. Use water spray or fog for cooling exposed containers.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Wear NIOSH-approved Self-Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.
Hazardous Combustion Products: Carbon oxide(s).

Further information
Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapors, spray, mist, gas. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
For Non-Emergency Personnel
Protective Equipment: Use appropriate personal protective equipment (PPE).
Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.
For Emergency Personnel
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedure: Eliminate ignition sources first, then ventilate the area. Evacuate unnecessary personnel, isolate, and ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3 Methods and materials for containment and cleaning up

For Containment: Ventilate the area. Contain any spills with dikes or absorbents to prevent further migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.
Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Eliminate all ignition sources. Ventilate area. Stop the ignition source of the release, if safe to do so. Consider the use of water spray to disperse vapors. Isolate the area until gas has dispersed. Ventilate and gas test area before entering. Take up liquid spill into absorbent material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.
Waste Disposal: Dispose of in accordance with local, regional, national, and international regulations. Containers may be hazardous when empty. Do not flame cut, braze, or weld. Product should be fully characterized prior to disposal (40 CFR 261).

Reference to other sections
See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Additional Hazards When Processed: Do not pressurize, cut, or weld containers. Ruptured cylinders may rocket. Pressurized container: May burst if heated. Do not pierce or burn, even after use.

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Avoid contact with skin, eyes and clothing. Do not breathe gas, mist, spray, vapors. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not spray on open flame or other ignition source.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Other Precautions: Keep out of reach of children. Follow label instructions. Vapors may collect in low lying areas.

7.2 Conditions for safe storage, including any incompatibilities

Technical Measures: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Store in a dry, cool place. Keep only in the original container in a cool, well-ventilated place away from ignition sources. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

Incompatible Materials: Reacts with strong oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Isopropyl alcohol (CAS: 67-63-0)

TWA (Inhalation): 400 ppm; 983 mg/m3; AU (AU/SWA)

STEL (Inhalation): 500 ppm; 1230 mg/m3; AU (AU/SWA)

PEL (Inhalation): 400 ppm; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 980 mg/m3; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 400 ppm, (ST) 500 ppm; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 400 ppm, (ST) 500 ppm; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

2. 2-Butoxyethanol (CAS: 111-76-2)

TWA (Inhalation): 20 ppm; 96.9 mg/m3; AU (AU/SWA)
Other advisory: Sk

STEL (Inhalation): 50 ppm; 242 mg/m3; AU (AU/SWA)
Other advisory: Sk

IOELV-LTEL (Inhalation): 98 mg/m3; EU (EU/OSHA)
Skin designation: Yes. List no. 1 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-LTEL (Inhalation): 20 ppm; EU (EU/OSHA)
Skin designation: Yes. List no. 1 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-STEL (Inhalation): 246 mg/m3; EU (EU/OSHA)
Skin designation: Yes. List no. 1 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-STEL (Inhalation): 50 ppm; EU (EU/OSHA)
Skin designation: Yes. List no. 1 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

PEL (Inhalation): 50 ppm; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 240 mg/m3; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 20 ppm; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5 ppm; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

3. Dimethylaminoethanol (CAS: 108-01-0)
TWA (Inhalation): 2 ppm; 7.4 mg/m3; AU (AU/SWA)

STEL (Inhalation): 6 ppm; 22 mg/m3; AU (AU/SWA)

8.2 Appropriate engineering controls
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Use explosion-proof equipment. Proper grounding procedures to avoid static electricity should be followed. Use only outdoors or in well-ventilated area. Ensure all local, regional, national, and international regulations are being observed. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Chemical safety goggles. Insufficient ventilation: wear respiratory protection. Respiratory protection of the dependent type.

Skin protection
Wear protective gloves and clothing.

Body protection
Wear suitable protective clothing. Wear protective gloves. Chemical resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

Respiratory protection
Use a NIOSH-approved Self-Containing Breathing Apparatus whenever exposure may exceed established Occupational Exposure Limits.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Color	Blue
Odor	Characteristic
Odor threshold	N/D
Melting point/freezing point	N/D
Boiling point or initial boiling point and boiling range	N/D
Flammability	Not considered a flammable liquid by OSHA (29 CFR 1910.1200)
Lower and upper explosion limit/flammability limit	N/D
Flash point	N/D
Explosive properties	N/D

Auto-ignition temperature	N/D
Decomposition temperature	N/D
pH	8-10
Kinematic viscosity	N/D
Solubility	Soluble in water
Partition coefficient n-octanol/water (log value)	N/D
Vapor pressure	N/D
Evaporation rate	N/D
Density and/or relative density	0.95-1.10
Relative vapor density	N/D

SECTION 10: Stability and reactivity

10.1 Reactivity
Stable under normal conditions of use.

10.2 Chemical stability
Stable under normal conditions of use.

10.3 Possibility of hazardous reactions
None known.

10.4 Conditions to avoid
Excessive heat will lead to accelerated oxidative degradation.

10.5 Incompatible materials
Reacts with strong oxidizing agents.

10.6 Hazardous decomposition products
Carbon oxide(s).

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
2-Butoxyethanol
LD50 Oral - Rat - 880 mg/kg
LD50 Skin - Rabbit - 1060 mg/kg
LD50 Intraperitoneal - Rat - 220 mg/kg
LD50 Intravenous - Rat - 307 mg/kg
LD50 Oral - Rat - 470 mg/kg
LC50 Inhalation - Rat - 450 ppm

Isopropanol
LD50 Oral - Rat - 5045 mg/kg
LC50 Inhalation - Rat - 16000 ppm - 8 hrs
LD50 Skin - Rabbit - 12800 mg/kg

Skin corrosion/irritation
Causes mild skin irritation.

Serious eye damage/irritation
Causes serious eye irritation, redness, burning.

Respiratory or skin sensitization
Acute oral and inhalation toxicity, category 4.

Germ cell mutagenicity
Not classified.

Carcinogenicity
Not classified.

Reproductive toxicity
Not classified.

Specific target organ toxicity (STOT) - single exposure
May cause drowsiness or dizziness.

Specific target organ toxicity (STOT) - repeated exposure
May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard
Harmful if inhaled. May cause drowsiness and dizziness. Asphyxia by lack of oxygen: risk of death.
The ATE (gas inhalation) of the mixture is: 3247.42 ppmV.
The ATE (oral) of the mixture is: 1666.67 mg/kg bw.

Additional information
Acute Health Hazards
Symptoms/Injuries: Harmful if inhaled. Causes serious eye and skin irritation. May cause drowsiness and dizziness. Asphyxia by lack of oxygen: risk of death.
Symptoms/Injuries After Eye Contact: Causes causes mild irritation with redness, tearing, and blurred vision.

SECTION 12: Ecological information

Toxicity
2-Butoxyethanol
LC50 - Oncorhynchus mykiss (rainbow trout) - 1474 mg/l - 96 hrs
EC50 - Daphnia magna (water flea) - 1550 mg/l 48 hrs
EC50 - Pseudokirchneriella subcapitata (green algae) - 1840 mg/l - 72 hrs
LC50 - Daphnia magna (water flea) - 1550 mg/l - 48 hrs
LC50 - Pseudokirchneriella subcapitata (green algae) - 911 mg/l - 72 hrs

Isopropanol
LC50 - Pimephales promelas (fathead minnow) - 9640 mg/l - 96 hrs
EC50 - Daphnia magna (water flea) - 5102 mg/l - 24 hrs
EC50 - Daphnia magna (water flea) - 6851 mg/l - 24 hrs
EC50 - Desmodesmus subspicatus (chodat) - 2000 mg/l - 72 hrs
EC50 - Algae - >1000 mg/l - 24 hrs

Persistence and degradability
Not classified.

Bioaccumulative potential
Not classified.

Mobility in soil
Not classified.

Other adverse effects
Avoid release to the environment. This material is hazardous to aquatic life. Do not let residue come in contact with waterways.

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Dispose of contents/container in accordance with local, regional, national, and international regulations. Do not pierce or burn, even after use.

Sewage disposal
Avoid release into the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Other disposal recommendations
Container may remain hazardous when empty. Continue to observe all precautions. Do not puncture or incinerate container. Product should be fully characterized prior to disposal.

SECTION 14: Transport information

DOT (US)
UN Number: UN2920
Class: 8 (3)
Packing Group: II
Proper Shipping Name: Corrosive liquids, flammable, n.o.s.

IMDG
UN Number: UN2920
Class: 8 (3)
Packing Group: II
EMS Number: N/A
Proper Shipping Name: Corrosive liquids, flammable, n.o.s.

IATA
UN Number: UN2920
Class: 8 (3)
Packing Group: II
Proper Shipping Name: Corrosive liquids, flammable, n.o.s.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components (105 CMR 670)
Chemical name: 2-PROPANOL
CAS number: 67-63-0

Chemical name: 2-BUTOXYETHANOL
CAS number: 111-76-2

Chemical name: 2-(DIMETHYLAMINO) ETHANOL
CAS number: 108-01-0

Massachusetts Toxic Use Reduction Act (TURA) list
Chemical name: Isopropyl alcohol (mfg-strong acid process)
CAS number: 67-63-0

New Jersey Right To Know Components
Common name: ISOPROPYL ALCOHOL
CAS number: 67-63-0

Common name: 2-BUTOXY ETHANOL
CAS number: 111-76-2

Common name: DIMETHYLAMINOETHANOL
CAS number: 108-01-0

Pennsylvania Right To Know Components
Chemical name: 2-PROPANOL
CAS number: 67-63-0

Chemical name: ETHANOL, 2-BUTOXY-
CAS number: 111-76-2

Chemical name: ETHANOL, 2-(DIMETHYLAMINO)-
CAS number: 108-01-0

US EPA TSCA public inventory
Chemical name: Isopropyl alcohol
CAS number: 67-63-0

Chemical name: 2-Butoxyethanol
CAS number: 111-76-2

Chemical name: Dimethylaminoethanol
CAS number: 108-01-0

SECTION 16: Other information

N/A = Not applicable; N/D = Not determined

16.1 Further information/disclaimer
To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or

inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.

16.2 Preparation information

Prepared by: Jessica Wilson
Date prepared: 3-10-2025