

00317-0030

Grumbacher Miskit Liquid Frisket

SAFETY DATA SHEET (SDS)

Version: 01

Date of Issue: August 30, 2023

According to: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), 9th Revision

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

1.1 Product identifier

Product Name: Grumbacher Miskit Liquid Frisket
Product Codes: 559, 559P, 559.CAN
Product sizes: 35 mL (1.2 fl. oz.), 22 mL (0.744 fl. oz.)
Product Description: Liquid formulations that act as temporary coatings to protect desired white space on watercolor papers, photos, etc. The product is intended to be applied with a brush.

1.2 Relevant identified uses of the substance or mixture

Relevant identified use(s): This product is intended for general (adults) arts and crafts purposes.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Chartpak Inc
1 River Rd
Leeds, MA 01053
Business Phone: (800)-628-1910

1.4 Emergency telephone number

Emergency Telephone: (800)-222-1222

Section 2 – Hazard(s) Identification

2.1. Classification of the substance or mixture

According to: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), 9th Revision

Health	Environmental	Physical
H317: Skin sensitization (Category 1)	H402: Acute aquatic toxicity (Category 3)	Not classified

2.2. Label elements



Label Pictogram:

Signal Word: Warning

Hazard statements & Precautions:**Skin sensitization (Category 1)
(H317)****May cause an allergic skin reaction.****P261:** Avoid breathing dust/fume/gas/mist/vapours/spray.**P272:** Contaminated work clothing should not be allowed out of the workplace.**P280:** Wear protective gloves/protective clothing.**P302+P352:** IF ON SKIN: wash with plenty of water**P333+P317:** IF SKIN irritation or rash occurs: Get medical help.**P362+P364:** Take off contaminated clothing and wash it before reuse.**P501:** Dispose of contents/container in accordance with local, regional, national, and/or international regulations.**Acute aquatic toxicity
(Category 3) (H402)****Harmful to aquatic life.****P273:** Avoid release to the environment.**P501:** Dispose of contents/container in accordance with local, regional, national, and/or international regulation.**Supplemental Hazard Information:** None**2.3. Other hazards**

- No other hazards have been identified for this product.

Section 3 – Composition / Information on Ingredients**3.1 Substances**

The product is a mixture and not a substance.

3.2 Mixture

Chemical Name	CAS No.	EC No.	% Concentration	GHS Hazards
Rubber, natural	9006-04-6	232-689-0	up to 48.49%	H317: Skin sensitization (Category 1) H334: Respiratory sensitization (Category 1)
Ammonium hydroxide	1336-21-6	215-647-6	up to 1.27%	H314: Skin corrosion (Category 1B) H335: Specific target organ toxicity (single exposure, Category 1 – may cause respiratory irritation) H400: Acute aquatic toxicity (Category 1)

The other ingredients in the product are either considered non-hazardous or are below their respective GHS cut-off values/concentration limits in the final product and were therefore not disclosed in the SDS.

Section 4 – First Aid Measures**4.1 Description of first aid measures**

Eye contact: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and immediately flush eyes with water. Seek medical attention if in doubt.

Skin contact: IF ON SKIN: Take off immediately all contaminated clothing. Rinse affected areas with plenty of water. Wash skin thoroughly with soap and water after use. If skin irritation or rash occurs get medical help. Take off contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace.

Inhalation: No specific first aid measures are required. Inhalation route of exposure is not anticipated with intended use. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if in doubt.

Ingestion: No specific first aid measures are required. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if in doubt.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to **Section 11 - Toxicological Information**.

4.3 Indication of any immediate medical attention and special treatment needed

- Not required.

Section 5 – Fire Fighting Measures**5.1 Extinguishing media**

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding area if material is involved in a fire (e.g., water fog, water spray, foam, dry chemical or carbon dioxide).

Unsuitable Extinguishing Media: None known.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

- Irritating vapours or fumes may form if product is involved in fire:
- Also see **Section 10 - Stability and Reactivity**.

5.3 Advice for firefighters

- Wear a self-contained breathing apparatus to protect against potentially irritating vapours or fumes.

Section 6 – Accidental Release Measures**6.1 Personal precautions, protective equipment (PPE) and emergency procedures**

Personal Precautions: Avoid dust formation. Ventilate area if spilled in confined space or other poorly ventilated areas. Observe PPE advice in **Section 8 – Exposure Controls/Personal Protection**.

Emergency Procedures: Evacuate personnel to safe areas.

6.2 Environmental precautions:

- Prevent entry and contact with soil, drains, sewers, and waterways. Inform relevant local/regional/national/international authorities. Prevent further leakage or spillage if it is safe to do so.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures: Contain spill if safe to do so. Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust. Dispose of contents/container in accordance with local/regional/national/international regulations.

6.4 Reference to other sections

- Refer to **Section 8 – Exposure Controls/Personal Protection** and **Section 13 – Disposal Considerations**.

Section 7– Handling and Storage**7.1 Precautions for safe handling**

- When using do not eat, drink or smoke. Wear appropriate personal protective equipment. Keep containers closed and locked away in a well-ventilated space when not in use. Wash thoroughly after handling. Wash contaminated clothing before reuse
- Employees should be trained in the safe use and handling of chemical materials.
- Refer to **Section 8 - Exposure Controls/Personal Protection**

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed to avoid spills.
- Keep in a cool dry place.

7.3 Specific end use(s)

- Refer to **Section 1.2 - Relevant identified uses**.

Section 8— Exposure Controls / Personal Protection

8.1 Control Parameters:

Occupational exposure limits: Airborne particles, such as dust, are foreseeable under conditions of normal use. See **Section 1 - Identification of the Substance/Mixture and of the Company/Undertaking** for additional information.

8.2 Exposure Controls:

Appropriate engineering controls

- No special requirements under ordinary conditions of use and with adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required. In case of dust formation use a respirator with an approved filter.

8.3 Personal Protective Equipment

Note: Consider the concentration and amount of product at the workplace when selecting PPE. Use protective equipment as required.

Respiratory:	Use appropriate respiratory protection when handling to minimize exposure to dust particles. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.
Eyes/Face:	If contact is likely, safety glasses with side shields are recommended. An eyewash bottle or station should be available in the workplace. Wear a face shield if splash or spray is likely.
Hands:	Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur, wear chemically protective gloves.
Body/Skin:	Wear chemically impervious gloves, coveralls, apron, boots as necessary to minimize contact. Do not wear rings, watches or similar apparel that could entrap the material.
Thermal Hazards:	None known.
Environmental Exposure Controls:	Not available.
Hygiene measures:	Observe good industrial hygiene practices. Avoid contact with skin. Contaminated work clothing should not be allowed out of the workplace and should be washed before reuse. When using the product do not eat, drink or smoke.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Note: The data below are typical values and do not constitute a specification.

Appearance: Physical state: Color: Odor:	Liquid Orange Hue Not available	Partition Coefficient n-octanol/water: Auto-ignition temperature:	Not available Not available
pH (as supplied):	9.72	Decomposition temperature:	Not available
Freezing point:	Not available	Dynamic viscosity:	Not available
Boiling point:	Not available	Molecular weight:	Not available
Flash point:	Not available	Taste:	Not available
Evaporation rate:	Not available	Explosive properties:	Not available
Flammability:	Not available	Oxidizing properties:	Not available
Upper/lower explosive limits:	Not available	Surface tension:	Not available
Vapor pressure:	Not available	Volatile component:	Not available
Water solubility:	Not available	Gas group:	Not available
Vapor density (Air = 1):	Not available	pH (as solution):	Not available
Specific gravity (Water = 1):	Not available	VOC:	Not available
Relative density:	Not available	Particle size range:	Not available

9.2 Other information

- No data available

Section 10 – Stability and Reactivity**10.1 Reactivity**

- This material is not considered to be reactive under normal handling and storage conditions.

10.2 Chemical stability

- This material is considered stable under normal handling and storage conditions.

10.3 Possibility of hazardous reactions

- Not expected to occur under normal handling and storage conditions.

10.4 Conditions to avoid

- Exposure to high temperatures
- Strong acids
- Strong bases
- Strong oxidisers

10.5 Incompatible materials

- Strong acids
- Strong bases
- Strong oxidizing agents
- Strong reducing agents

10.6 Hazardous decomposition products

- Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids.

Section 11 – Toxicological Information**11.1. Information on hazard classes:**

Likely routes of exposure: Skin/eye contact, inhalation of dusts.

Potential signs and symptoms:

Acute oral toxicity:	The product is practically nontoxic based on available animal and human use data. ATE >5000 mg/kg.
Acute dermal toxicity:	The product is practically non-toxic based on available animal and human use data. ATE >5000 mg/kg.
Acute inhalation toxicity:	The product is practically non-toxic based on available animal and human use data.
Skin corrosion/irritation:	Ammonium hydroxide (CAS No. 1336-21-6) is classified for skin corrosion (Category 1B). Product classification is not warranted given the concentration present in the product. The other ingredients in the product >1% are not corrosive to the skin or skin irritants based on human and/or animal studies.
Serious eye damage/irritation:	The ingredients in the product >1% are not damaging to the eyes or eye irritants based on human and/or animal studies.
Respiratory or skin sensitization:	Rubber, natural (CAS No. 9006-04-6) is classified for skin and respiratory sensitization (Category 1). Product classification is warranted for skin sensitization given the concentration in the product and a review of the available data. Product classification is not warranted for respiratory sensitization given the nature/physical form of the product (<i>i.e.</i> , liquid). The other ingredients in the product >0.1% are not sensitizing to the skin or respiratory system based on human and/or animal studies.

Mutagenicity:	The ingredients in the product >0.1% are not mutagenic based on animal studies or no data identified for the components in this product.
Carcinogenicity:	The ingredients in the product >0.1% are not carcinogenic based on animal studies or no data identified for the components in this product.
Reproductive Toxicity:	The ingredients in the product >0.1% are not reproductive toxicants based on animal studies, or no data identified for the components in this product.
Specific target organ toxicity (single exposure):	Ammonium hydroxide (CAS No. 1336-21-6) is classified for specific target organ toxicity (single exposure, Category 1 – may cause respiratory irritation) at concentrations $\geq 5\%$. Product classification is not warranted for this effect given the concentration present in the product. The other ingredients in the product >1% are not single exposure specific target organ toxicity (single exposure) hazards based on animal studies or no data identified for the components in this product.
Specific target organ toxicity (repeated exposure):	The ingredients in the product >1% are not repeated exposure specific target organ toxicity hazards based on available information, human and/or animal studies.
Aspiration hazard:	The ingredients in the product >1% are not aspiration hazards based on animal studies or no data identified for the components in this product.

References:

ECHA (European Chemicals Agency). 2023. REACH Registered Substances Database. <https://echa.europa.eu/search-for-chemicals>

IARC (International Agency for Research on Cancer). 2023. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>

NTP (National Toxicology Program). 2023. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: Official Journal of the European Union. 2008. Regulation (EC) No 1272/2008. <http://data.europa.eu/eli/reg/2008/1272/2022-03-01>

U.S. Department of Health and Human Services, Public Health Service. <https://ntp.niehs.nih.gov/go/roc14>

Section 12 – Ecological Information

12.1 Toxicity

- Product classification for acute aquatic toxicity (Category 3) is warranted based on the criteria outlined in the 9th revision of the GHS.

12.2 Persistence and degradability

- No data available for the product.

12.3 Bioaccumulative potential

- No data available

12.4 Mobility in Soil

- No data available for the product.

12.5 Results of PBT and vPvB assessment

- No data available for the product.

12.6 Endocrine disrupting properties

- No data available for the product.

12.7 Other adverse effects

- No further data available.

References:

ECHA (European Chemicals Agency). 2023. REACH Registered Substances Database. <https://echa.europa.eu/search-for-chemicals>

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Preparing wastes for disposal: Use product for its intended purpose or recycle if possible. Dispose of waste in accordance with local, regional, national, and/or international regulations. The empty container has residues which may exhibit hazards of the product.

Contaminated Packaging: Container packaging may exhibit hazards.

Section 14 – Transport Information

Note: This product is not regulated as dangerous goods for transport.

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es):	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	None
14.6 Special precautions for user	None
14.7 Maritime transport in bulk according to IMO instruments	Not applicable

Section 15 – Regulatory Information

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

Note: The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in **Section 3 – Composition / Information on Ingredients**.

United States

Federal Regulations:

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):

Ammonium hydroxide (CAS No. 1336-21-6) has a reporting quantity of 1000 lbs in accordance with CERCLA. The other ingredients in the product >0.1% are not subject to reporting under CERCLA.

Clean Water Act (CWA): Zinc compounds are listed by the CWA as toxic pollutants. The other ingredients in the product are not listed as toxic pollutants.

Clean Air Act (CAA): The ingredients in the product are not listed under the CAA.

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA 302 Components: The ingredients in the product are not subject to reporting requirements of S.302.

SARA 304 Emergency Release Notification: Formaldehyde (CAS No. 50-00-0) has a reporting quantity of 100 lbs in accordance with S.304. The other ingredients in the product are not subject to reporting requirements of S.304.

SARA 311/312 Hazards: None.

SARA 313 Components: Ammonium hydroxide (CAS No. 1336-21-6), thiram (CAS No. 137-26-8), and C.I. Basic Violet 10 (CAS No. 81-88-9) are subject to reporting requirements of S.313. The other ingredients in the product are not subject to reporting requirements of S.313.

Toxic Substances Control Act (TSCA): The ingredients in the product are listed on the non-confidential TSCA inventory or are exempt.

State Regulations:

California: Formaldehyde (CAS No. 50 00-0) and C.I. Basic Violet 10 (CAS No. 81-88-9) are listed on the Proposition 65 List. A screening assessment indicates that the levels of these chemicals in the product does not warrant warnings for the purpose of California Proposition 65. The other ingredients in the product are not listed on the Proposition 65 List.

Canada

Canadian Environmental Protection Act DSL/NDSL: The ingredients in the product are listed on the listed on the DSL, NDSL, or are exempt.

International:

IARC: Formaldehyde (CAS No. 50-00-0) is listed in Group 1, carcinogenic to humans. C.I. Basic Violet 10 [listed as Rhodamine B (CAS No. 81-88-9)] is listed in Group 3, not classifiable as to its carcinogenicity to humans. The other ingredients in the product are not classified with respect to carcinogenicity.

15.2 Chemical Safety Assessment

- None available for the ingredients in the product.

Section 16 – Other Information**ACMI Seal**

The product, *Grumbacher Miskit Liquid Frisket*, must be properly labeled for known health risk (*i.e.*, skin sensitization) and should reflect the ACMI CL Seal.

**List of acronyms and abbreviations:**

ACGIH: American Conference of Governmental Industrial Hygienists	NTP: National Toxicology Program
ATE: Acute Toxicity Estimate	OSHA: Occupational Safety and Health Administration
CAA: Clean Air Act	PBT: Persistent, Bioaccumulative and Toxic
CAS: Chemical Abstract Service Number	PEL: Permissible Exposure Level
CERCLA: Comprehensive Environmental Response and Liability Act	PPE: Personal Protective Equipment
CWA: Clean Water Act	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
DFG: Deutsche Forschungsgemeinschaft	REL: Recommended exposure level
EC: European Commission	SARA: Superfund Amendment and Reauthorization Act
ECHA: European Chemicals Agency	SDS: Safety Data Sheet
GHS: Global Harmonized System	TLV: Threshold limit value
IARC: International Agency for Research on Cancer	TSCA: Toxic Substances Control Act
IMO: International Maritime Organization	TWA: Time-weighted average
MAK: Maximale Arbeitsplatzkonzentration	UN: United Nations
N/A: Not applicable	VOC: Volatile Organic Compound
NIOSH: National Institute for Occupational Safety & Health	vPvB: very Persistent, very Bioaccumulative

References:

ECHA (European Chemicals Agency). 2023. REACH Registered Substances Database. <https://echa.europa.eu/search-for-chemicals>
 IARC (International Agency for Research on Cancer). 2023. Agents Classified by the IARC Monographs, Volumes 1-129. <https://monographs.iarc.who.int/list-of-classifications/>
 NTP (National Toxicology Program). 2023. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service. <https://ntp.niehs.nih.gov/go/roc14>

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever 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 hazards that exist.

Revision Indicator: This is a new Safety Data Sheet.

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