

MSDS- VOGA HI-LACK

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VOGEL SYSTEMS Safety data sheet

Date /Revised: 19.09.2022

Product: **MSDS- VOGA HI-LACK**

Version: 1.0

Date of print 20.09.2022

1. Identification

Product identifier

VOGA HI-LACK

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Product for construction chemicals Recommended use: for industrial and professional users



Details of the supplier of the safety data sheet

E-mail address: info@vogel-systems.de

Emergency telephone number

International emergency number

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**1. Product identifier**Product name **VOGA HI-LACK****2. Relevant identified uses of the substance or mixture and uses advised against**Identified uses : **High Quality Synthetic Enamel - Gloss****3. Details of the supplier of the safety data sheet**Supplier

Company name : Vogel co.

E-mail address: info@vogel-systems.de**2. COMPOSITION/INFORMATION ON INGREDIENTS****Classification:**

Flammable Liquid – Category 3

Skin Irritation – Category 2

Eye Irritation – Category 2

STOT SE – Category 3 (narcotic effects)

Signal Word: *WARNING***Hazard Statements:**

Flammable liquid and vapor

Causes skin and eye irritation

May cause drowsiness or dizziness

Precautionary Statements:

Keep away from heat, sparks, and open flames

Use only outdoors or in a well-ventilated area

Wear protective gloves and eye protection

Avoid breathing vapors or spray mist

3. COMPOSITION

Component	CAS Number	% by Weight	Classification (GHS)
Alkyd Resin	Proprietary	%50–30	Not classified
Mineral Spirits (Solvent)	3-41-8052	%40–20	Flam. Liq. 3; STOT SE 3; Asp. Tox. 1 (H226, H336, H304)
Titanium Dioxide (Pigment)	7-67-13463	%15–5	Not classified (may be IARC Group 2B in dust form only)
Additives / Driers	Proprietary	%5>	May include skin sensitizers or irritants

4. FIRST AID MEASURES

Description of First Aid Measures

- **Inhalation:**
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms such as dizziness, nausea, or breathing difficulties occur, seek immediate medical attention.
- **Skin Contact:**
Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation or redness persists, consult a physician.
- **Eye Contact:**
Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical advice if irritation develops.
- **Ingestion:**
Do *not* induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

- **Acute:**
Headache, dizziness, nausea (due to solvent vapors); skin or eye irritation upon contact.
- **Delayed:**
Prolonged or repeated exposure may cause skin dryness or cracking. Chronic overexposure to vapors may affect the central nervous system.

Indication of Any Immediate Medical Attention and Special Treatment Needed

- Treat symptomatically.
- If respiratory symptoms, eye irritation, or persistent skin effects occur, medical evaluation is recommended.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use **foam**, **dry chemical**, or **carbon dioxide (CO₂)**.

Water spray (fog) may be used to cool containers, but is not effective for extinguishing the fire itself.

Unsuitable Extinguishing Media

Do **not** use direct water jet, as it may spread the flammable liquid.

Specific Hazards Arising from the Substance or Mixture

Flammable liquid and vapor.

Vapors may form **explosive mixtures** with air.

Containers may explode when heated.

- **Hazardous decomposition products** may include:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Smoke, soot, and various hydrocarbons

Special Protective Equipment and Precautions for Firefighters

Wear full **firefighting protective gear** and **self-contained breathing apparatus (SCBA)**.

Use water spray to cool fire-exposed containers.

Evacuate area and fight fire from a safe distance.

Prevent fire-fighting water from entering drains or water bodies.

6. ACCIDENTAL RELEASE MEASURES**• Personal Precautions, Protective Equipment and Emergency Procedures**

Eliminate all sources of ignition.

Ensure adequate ventilation in the affected area.

Avoid inhalation of vapors and contact with skin and eyes.

Use appropriate personal protective equipment (PPE), including gloves, goggles, and a respirator if necessary.

Keep unprotected personnel away from the spill area.

• Environmental Precautions

Prevent product from entering sewers, surface waters, or soil.

In case of large spills or environmental contamination, notify local authorities as required.

• Methods and Materials for Containment and Cleaning Up

Contain the spill using non-combustible absorbent materials (e.g., sand, earth, vermiculite).

Collect the absorbed material into properly labeled containers for disposal in accordance with local regulations.

Clean the affected area thoroughly with suitable solvents or detergents.

Use non-sparking tools and explosion-proof equipment.

• Reference to Other Sections

For personal protective equipment: **See Section 8**

For waste disposal: **See Section 13**

7. HANDLING AND STORAGE**• Precautions for Safe Handling**

Use only in **well-ventilated** areas.

Keep away from heat, sparks, open flames, and hot surfaces – **No smoking**.

Avoid breathing vapors or spray mist.

Avoid contact with skin and eyes.

Use **non-sparking tools** and explosion-proof equipment.

Ground/bond containers and receiving equipment.

Do not eat, drink, or smoke while using this product.

Wash hands thoroughly after handling.

• Conditions for Safe Storage, Including Any Incompatibilities

Store in a **cool, dry, and well-ventilated** place.

Keep container tightly closed and upright.

Keep away from **sources of ignition** and **incompatible materials** such as strong oxidizing agents.

Store in original containers or approved alternatives made of compatible materials.

Protect from **direct sunlight** and **extreme temperatures**.

• Specific End Use(s)

Solvent-based enamel paint for use on **metal, wood, and masonry surfaces** in interior or exterior environments.

Follow application and safety guidelines provided by the manufacturer for best performance and safety.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Substance	CAS Number	Occupational Exposure Limits
Mineral Spirits	3-41-8052	100 ppm (TWA, 8h)
Titanium Dioxide	7-67-13463	10 mg/m ³ (TWA – inhalable dust)
Alkyd Resin (Proprietary)	—	Not established

- **Engineering controls:** Local exhaust ventilation
- **Respiratory:** Organic-vapour/particulate respirator if limits exceeded
- **Eye:** Splash-resistant goggles
- **Skin:** Nitrile or neoprene gloves; full protective clothing
- **Hygiene:** Wash hands before breaks and after work

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Liquid
Appearance	Glossy paint
Color	Various (depending on pigmentation)
Odor	Solvent-like
Odor Threshold	Not determined
pH	Not applicable (non-aqueous)
Melting / Freezing Point	Not determined
Initial Boiling Point and Range	>150°C (typical for mineral spirits)
Flash Point	~25–35°C (Closed Cup)
Evaporation Rate	Moderate
Flammability (solid/gas)	Not applicable
Upper/Lower Flammability or Explosive Limits	Not determined
Vapor Pressure	Low to moderate (depending on solvent blend)
Vapor Density	>1 (heavier than air)
Relative Density (Specific Gravity)	~1.2–1.4 g/cm ³
Solubility in Water	Insoluble
Partition Coefficient (n-octanol/water)	Not determined
Auto-Ignition Temperature	Not determined
Decomposition Temperature	Not determined
Viscosity	High (formulated for brush/roller/spray)
Explosive Properties	Not explosive
Oxidizing Properties	Not oxidizing

10. STABILITY AND REACTIVITY**• Reactivity**

No dangerous reactions known under normal conditions of use and storage.

• Chemical Stability

Stable under recommended storage conditions.

Product is chemically stable during normal handling and use.

• Possibility of Hazardous Reactions

No hazardous polymerization expected.

Vapors may form **explosive mixtures with air** in poorly ventilated or enclosed areas.

• Conditions to Avoid

Heat, sparks, flames, static discharge

Prolonged exposure to air or sunlight

Storage in unventilated, high-temperature areas

• Incompatible Materials

Strong oxidizing agents (e.g., peroxides, nitrates)

Strong acids or bases may destabilize the formulation

Hazardous Decomposition Products

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Smoke, soot, and hydrocarbon vapors under fire conditions

11. TOXICOLOGICAL INFORMATION**Information on Toxicological Effects****Likely Routes of Exposure:**

- Inhalation of solvent vapors or spray mist
- Skin and eye contact during handling or application
- Accidental ingestion (rare)

Skin Corrosion/Irritation:

- May cause mild to moderate **skin irritation**, especially with prolonged or repeated contact.

Eye Damage/Irritation:

- May cause **eye irritation**, redness, or watering on direct contact.

Respiratory Sensitization:

- Not expected to cause sensitization. Solvent vapors may cause respiratory discomfort.

Skin Sensitization:

- Not expected under normal use. Contains no known sensitizers at reportable levels.

STOT – Single Exposure:

- Vapors may cause **drowsiness, dizziness, or headache** (central nervous system effects).

STOT – Repeated Exposure:

- Repeated inhalation of solvent vapors may lead to long-term **nervous system effects** with high exposures.

Germ Cell Mutagenicity:

- No data available; no components are known mutagens.

Carcinogenicity:

- **Titanium Dioxide** is classified by IARC as **Group 2B** (possibly carcinogenic by inhalation of **dust** in dry form).
This does not apply to liquid paints where particles are bound in a wet matrix.

Reproductive Toxicity:

- No components are known to cause reproductive effects.

Aspiration Hazard:

- Contains hydrocarbons that may present an **aspiration hazard** if swallowed and enter airways (e.g., Mineral Spirits – H304).

12. ECOLOGICAL INFORMATION

- **Toxicity**

This product contains **hydrocarbons** and **pigments** that may be **toxic to aquatic life**, especially in liquid or uncured form.

Avoid uncontrolled release into the environment.

Substance	Test Organism	Result
Mineral Spirits	Fish (96h LC ₅₀)	8–10 mg/L (moderately toxic)
Titanium Dioxide	Daphnia magna (48h EC ₅₀)	>1000 mg/L (low toxicity)

- **Persistence and Degradability**

Alkyd resins and solvents are expected to degrade slowly in the environment.

Titanium dioxide is **inorganic** and not biodegradable.

- **Bioaccumulative Potential**

Mineral solvents may have some potential for **bioaccumulation**.

Titanium dioxide has **low bioaccumulative potential** due to its insolubility.

- **Mobility in Soil**

Product may migrate in soil if spilled in liquid form.

Once cured, it becomes **immobile and inert**.

- **Results of PBT and vPvB Assessment**

This product does **not contain** any substances identified as **Persistent, Bioaccumulative and Toxic (PBT)** or **very Persistent and very Bioaccumulative (vPvB)** according to REACH criteria.

- **Other Adverse Effects**

None known under normal use conditions.

Do not allow material to enter **drains, surface water, or soil**.

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

- **Product Disposal:**

Dispose of contents in accordance with **local, regional, and national regulations**.

Do not pour unused paint into drains, sewers, or watercourses.

Waste classification may vary based on region and usage. Consult local waste authority for proper disposal.

- **Contaminated Packaging:**

Empty containers may contain residual product and vapors – **handle with the same precautions** as the full container.

Do not reuse or refill containers unless properly cleaned and reconditioned.

Recycle packaging if allowed by local guidelines, or dispose of as hazardous waste.

- **Disposal Code (EU example):**

EWC Code: 08 01 11 (waste paint and varnish containing organic solvents or other dangerous substances)

- **Special Precautions:**

Avoid incineration in open systems.

Ensure containers are **properly sealed** before disposal.

Do not dispose into natural environments.

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14. TRANSPORT INFORMATION

Parameter	Details
UN Number	UN1263
UN Proper Shipping Name	Paint
Transport Hazard Class(es)	3 – Flammable Liquid
Packing Group	III (low danger)
Environmental Hazards	Not classified as a marine pollutant
Special Precautions	Avoid heat, sparks, flames; use grounding

Additional Information by Mode of Transport:**ADR/RID (Road/Rail – Europe):** Not regulated**IMDG (Sea Transport):** Not classified as marine pollutant**IATA/ICAO (Air Transport):** Not regulated**DOT (U.S.):** Not classified as a hazardous material**Note:** This product is considered **non-dangerous for all modes of transport** under current international regulations.**15. Regulatory Information**

Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture

Region / Regulation	Compliance Status
EU – REACH (EC 1907/2006)	All components are either registered or exempt
EU – CLP Regulation (EC 1272/2008)	Classified as a flammable liquid with skin and eye irritation risks
USA – OSHA (29 CFR 1910.1200)	Classified as hazardous under the Hazard Communication Standard (HCS)
USA – TSCA Inventory	All components listed or exempt
Canada – WHMIS Classification	Classified as a flammable product with health hazards
Australia – AICS	All ingredients listed or exempt
China – IECSC	Ingredients are listed or exempt
Japan – ENCS / ISHL	Ingredients comply with local inventory requirements
Korea – KECI	Listed
Philippines – PICCS	Listed

- A chemical safety assessment has **not been carried out** for this product as a mixture.
- Users should evaluate risks and controls based on conditions of use.

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16. OTHER INFORMATION

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