MSDS- VOGA ACRY-PU

1.Identification

Product identifier

VOGA ACRY-PU

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

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1. Product identifier

Product name **VOGA ACRY-PU**

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

GHS Classification:

Skin Irritation – Category 2

Eye Irritation – Category 2A

Specific Target Organ Toxicity (Single Exposure) – Category 3 (respiratory tract irritation)

Label Elements:

Signal Word: *Warning*

Hazard Statements:

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

Precautionary Statements:

P261: Avoid breathing vapors

P280: Wear protective gloves, clothing, and eye protection

P271: Use only outdoors or in a well-ventilated area

P302 + P352: IF ON SKIN: Wash with plenty of water

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do

P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

P312: Call a POISON CENTER or doctor if you feel unwell

Other Hazards:

Vapors may cause drowsiness and dizziness in poorly ventilated areas

May aggravate pre-existing respiratory or skin conditions with prolonged exposure

3. COMPOSITION

Component	CAS Number	% by Weight	Classification
Acrylic Copolymer Dispersion	Proprietary	%50–30	Not classified as hazardous
Polyurethane Prepolymer	Proprietary	%30–15	Skin irrit. 2, Eye irrit. 2A, STOT SE 3
Solvent Naphtha (Light Aromatic)	6-95-64742	%10>	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1
Additives and Fillers	Various	Balance	Not classified as hazardous

Note:
- The exact percentage and chemical identity of proprietary ingredients are withheld as a trade secret in accordance with applicable regulations.
- This mixture does **not contain substances at levels requiring additional classification or labeling under GHS** other than those listed

4. FIRST AID MEASURES

- **General Advice:**

Show this SDS to the doctor or emergency personnel if symptoms occur.
Avoid further exposure until medical advice is given.

- **Inhalation:**

Move the exposed person to fresh air.
Keep them at rest in a position comfortable for breathing.
If breathing is difficult or symptoms persist, seek **immediate medical attention**.

- **Skin Contact:**

Remove contaminated clothing.
Wash skin thoroughly with soap and water.
Seek medical advice if irritation develops or persists.
Wash contaminated clothing before reuse.

- **Eye Contact:**

Rinse cautiously with clean water for at least **15 minutes**, holding eyelids open.
Remove contact lenses if present and easy to do.
Continue rinsing and get medical attention if irritation occurs or persists.

- **Ingestion:**

Rinse mouth with water. **Do not induce vomiting.**
Never give anything by mouth to an unconscious person.
Seek **immediate medical attention**.

- **Most Important Symptoms and Effects (Acute and Delayed):**

Eyes & Skin: Irritation, redness, possible itching
Inhalation: Coughing, headache, dizziness, or mild respiratory discomfort
Ingestion: May cause gastrointestinal irritation (nausea, discomfort)

- **Advice for Medical Personnel:**

Treat symptomatically.
No specific antidote known.
Consider supportive care for respiratory irritation or skin/eye inflammation.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
- Carbon dioxide (CO_2)
- Dry chemical powder
- Alcohol-resistant foam
- Water spray (fog only)

Unsuitable Extinguishing Media:
- **Do not use a direct water jet**, as it may spread the fire or cause splattering.

Specific Hazards Arising from the Product:
- During combustion, the product may release hazardous gases such as:
  - **Carbon monoxide (CO)**
  - **Carbon dioxide (CO_2)**
  - **Nitrogen oxides**
  - **Isocyanates**
  - **Acrylate vapors**
- Vapors may form **explosive mixtures** with air in confined or poorly ventilated areas.

Firefighting Instructions:
- **Evacuate area** and fight fire from a safe distance.
- Use water spray to cool containers exposed to heat or flame.
- Prevent run-off from entering sewers or water systems.

Protective Equipment for Firefighters:
- Use **self-contained breathing apparatus (SCBA)** and **full protective clothing**.
- Avoid inhaling combustion gases and vapors.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures:
- Evacuate non-essential personnel from the spill area.
- Provide adequate ventilation.
- Avoid breathing vapors or contact with skin and eyes.
- Wear appropriate **PPE**: gloves, safety goggles, protective clothing, and a respirator if necessary.
- Eliminate all ignition sources (no smoking, sparks, or open flames).

Environmental Precautions:
- Prevent the material from entering drains, sewers, or natural waterways.
- In case of significant release to water or soil, notify local environmental authorities.
- Minimize further environmental exposure as much as possible.

Methods and Materials for Containment and Cleaning Up:
- Stop the source of the leak if it can be done safely.
- Contain the spill using inert absorbent materials (e.g., sand, earth, vermiculite).
- Scoop or shovel the absorbed material into labeled containers for disposal.
- Clean the spill area with water and mild detergent — **do not use solvents**.
- Dispose of cleanup waste in accordance with local regulations.

7. HANDLING AND STORAGE

- **Precautions for Safe Handling:**

Use only in well-ventilated areas.
Avoid breathing vapors or mist.
Avoid contact with skin, eyes, and clothing.
Wash thoroughly after handling.
Do not eat, drink, or smoke while using this product.
Use appropriate **personal protective equipment (PPE)** at all times.
Ground/bond containers when transferring the material to prevent static discharge.
Keep away from heat, sparks, open flames, and hot surfaces — **No smoking**.

- **Conditions for Safe Storage (including incompatibilities):**

Store in tightly sealed **original containers**.
Keep in a **cool, dry, and well-ventilated area**, away from direct sunlight.
Recommended storage temperature: **+5°C to +35°C**
Keep away from incompatible substances such as strong oxidizers and acids.
Protect from freezing and excessive moisture.
Store away from food, beverages, and animal feed.

- **Shelf Life:**

12 months from the date of manufacture under proper storage conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Substance	CAS No.	OSHA PEL
Solvent Naphtha (light aromatic)	6-95-64742	100 ppm (TWA)
Acrylic Polymer Components	Proprietary	Not established

Engineering Controls:

- Use **local exhaust ventilation** or general dilution ventilation to keep airborne levels below occupational limits.
- Ensure **emergency eye wash stations and safety showers** are accessible in the work area.
- **Personal Protective Equipment (PPE):**
- **Respiratory Protection:**
  Use a **NIOSH-approved respirator** with organic vapor cartridges when ventilation is inadequate or during spraying.
- **Skin Protection:**
  Wear **chemical-resistant gloves** (e.g., nitrile or neoprene).
  Use **long sleeves or protective coveralls** to prevent skin exposure.
- **Eye/Face Protection:**
  Use **safety goggles** with side protection or a **face shield** when there's a risk of splashing.
- **Hygiene Measures:**
  Wash hands and exposed skin before breaks and at the end of the workday.
  Do not reuse contaminated PPE or clothing. Wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	**Value**
Appearance	Milky or slightly amber liquid
Odor	Mild acrylic/solvent odor
Odor Threshold	Not determined
pH	~7 (neutral, water-based dispersion)
Melting/Freezing Point	Not determined
Boiling Point	>100°C (water-based)
Flash Point	>60°C (Closed cup)
Evaporation Rate	Slower than butyl acetate
Flammability (solid/gas)	Not applicable
Upper/Lower Flammability Limits	Not determined
Vapor Pressure	Low
Vapor Density	Heavier than air
Relative Density	~1.05 g/cm³
Solubility in Water	Miscible (when uncured)
Partition Coefficient (n-octanol/water)	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Viscosity	Low – medium (brush/roller/spray applicable)
VOC Content	<50 g/L (Low-VOC compliant)

10. STABILITY AND REACTIVITY

Reactivity:
- Not reactive under normal conditions of use and storage.

Chemical Stability:
- **Stable** under recommended handling and storage conditions.
- Product is moisture-sensitive and will begin curing when exposed to air or water vapor.

Possibility of Hazardous Reactions:
- No hazardous polymerization expected under normal conditions.
- May react with strong oxidizing agents, acids, or amines.

Conditions to Avoid:
- Exposure to direct sunlight or excessive heat
- Contact with incompatible substances
- Freezing or temperatures below **5°C**, and storage above **35°C**
- Prolonged exposure to air and moisture once opened

Incompatible Materials:
- Strong acids and bases
- Strong oxidizers (e.g., hydrogen peroxide, sodium hypochlorite)
- Isocyanate-reactive compounds (e.g., alcohols, amines)

Hazardous Decomposition Products:
- When burned or thermally decomposed, may release:
  Carbon monoxide (CO)
  Carbon dioxide (CO_2)
  Nitrogen oxides (NO_x)
  Acrylate vapors and other organic compounds

11. TOXICOLOGICAL INFORMATION

- **Likely Routes of Exposure:**

Inhalation (vapors or spray mist)
Skin contact
Eye contact
Ingestion (accidental)

- **Acute Toxicity:**

Inhalation: May cause respiratory tract irritation, dizziness, or headache in poorly ventilated areas.
Skin Contact: May cause irritation (redness, dryness, itching).
Eye Contact: Causes irritation including watering, redness, and discomfort.
Ingestion: Low toxicity expected; may cause nausea and gastrointestinal discomfort.

- **Skin Corrosion/Irritation:**

Classified as **Skin Irritant – Category 2**. Prolonged or repeated contact may cause dryness or cracking.
Serious Eye Damage/Irritation:
Classified as **Eye Irritant – Category 2A**. Causes noticeable eye discomfort.

- **Respiratory or Skin Sensitization:**

Not expected to cause sensitization under normal use, but **repeated inhalation** of vapors may aggravate respiratory conditions.

- **Germ Cell Mutagenicity:**

No components identified as mutagenic.

- **Carcinogenicity:**

None of the product's ingredients are listed by IARC, NTP, or OSHA as carcinogens.

- **Reproductive Toxicity:**

Not known to cause reproductive harm.

- **Aspiration Hazard:**

Not classified as an aspiration hazard.

12. ECOLOGICAL INFORMATION

- **Ecotoxicity:**

The product is **not classified as acutely hazardous** to the environment under GHS, but:
Large quantities can be **harmful to aquatic organisms** if released untreated.
Contains solvents that may impact aquatic life at high concentrations.

- **Persistence and Degradability:**

Components such as **polyurethane prepolymers** and **acrylic polymers** are **not readily biodegradable**.
May persist in soil and aquatic environments over time if released in large amounts.

- **Bioaccumulative Potential:**

Low bioaccumulation potential based on component data.
Solvent naphtha may have limited potential to bioaccumulate in aquatic species.

- **Mobility in Soil:**

Product is expected to exhibit **low mobility** due to high molecular weight and low solubility when cured.
Liquid form may penetrate porous soil but will polymerize upon exposure to moisture.

- **Other Adverse Effects:**

No known significant effect on **ozone layer** or **global warming potential**.
Prevent uncontrolled release into natural environments or water systems.

13. DISPOSAL CONSIDERATIONS

Product Disposal:

- Dispose of in accordance with **local, regional, and national regulations**.
- Do **not** discharge into drains, surface water, or soil.
- Unused or uncured product is considered **hazardous waste**.
- Cured product (fully polymerized) may be disposed of as **non-hazardous industrial waste**, depending on local laws.

Methods of Disposal:

- **Preferred Method:** Incineration by a licensed hazardous waste contractor.
- Avoid uncontrolled disposal or open burning.

Contaminated Packaging:

- **Do not reuse empty containers.**
- Empty containers may retain residues — handle with care.
- Rinse thoroughly if allowed by local regulations; otherwise, dispose of as hazardous waste.

Waste Codes (examples):

- **US (RCRA):** D001 (if flammable); otherwise non-regulated if cured
- **EU Waste Code:** 08 04 09* (waste adhesives and sealants containing organic solvents or other dangerous substances)

14. TRANSPORT INFORMATION

Transport Mode	**Classification**
UN Number	Not regulated
Proper Shipping Name	Non-Hazardous Material (Not Regulated)
Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	Not classified as marine pollutant

IMDG (Sea Transport):
- Not classified as dangerous goods
- No marine pollutant marking required

IATA (Air Transport):
- Not regulated under IATA/ICAO rules
- Transport as general cargo

ADR/RID (Road/Rail Europe):
- Not classified as hazardous
- No special marking or documentation required

Special Precautions for Transport:
- Keep containers tightly sealed during transport
- Protect from physical damage, extreme heat, and moisture
- Always transport upright and label clearly

15. Regulatory Information

United States:

OSHA Hazard Communication Standard (29 CFR 1910.1200):

This product is classified as **hazardous** (skin and eye irritant, STOT SE 3 – respiratory).

TSCA (Toxic Substances Control Act):

All components are either listed on the TSCA Inventory or are exempt.

SARA Title III (EPCRA):

Section 311/312: Immediate health hazard

Section 313: This product does **not** contain any ingredients subject to SARA Section 313 reporting requirements.

European Union (EU):

CLP Regulation (EC No 1272/2008):

Classified and labeled in accordance with the Globally Harmonized System (GHS)
Requires hazard pictograms, signal word, and precautionary statements on packaging

REACH (EC 1907/2006):

All substances used are **pre-registered, registered, or exempt**
No SVHCs (Substances of Very High Concern) are intentionally present

Canada:

WHMIS 2015 / HPR (Hazardous Products Regulation):

Classified as hazardous under Canadian HPR
Requires bilingual SDS and workplace labeling

Other Regulations:

Australia (AICS), Japan (ENCS), China (IECSC), Korea (KECI):

All components are compliant or listed

16. OTHER INFORMATION

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable