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## MATERIAL SAFETY DATA SHEET

<b>ARTIKAMART</b> 309, Basement, Sector 21C, Faridabad, Haryana 121001, INDIA	<b>MSDS NUMBER</b> : 5215439 <b>PRODUCT CODE</b> : 245371786 <b>DATE</b> : 20/02/2025
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### 1) Identification of the substance or mixture and of the supplier

**Trade name** : Ginol EW 6820 (Emulsifying wax)

**CAS Number:**

CAS Number: 67762-27-0

CAS Number: 68439-49-6

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

No further relevant information available.

**Application of the substance / the mixture**

1) Synthetic intermediate

Coatings

Metalworking fluids/rolling oils

Mining/offshore - Mining chemicals

Process chemical e.g. in Paper and Textiles industries

2) Personal care

Use in cleaning agents

3) Other consumer uses (pharmaceuticals and personal care)

Plaster/cement - Use as binders and release agents / Road and construction

applications

Plastic/rubber- Polymer processing

4) Agrochemicals

### 2) COMPANY : ART VATIKA INSTITUTE

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**Emergency telephone:** In case of chemical emergency involving transportation spills, leaks, fires or accidents.



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## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Eye Dam. 1 H318 Causes serious eye damage.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Alcohols, C16-18, ethoxylated
- **Hazard statements**  
H318 Causes serious eye damage.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P280 Wear eye protection / face protection.  
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.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description** Mixture of substances listed below with nonhazardous additions.

### Components:

CAS: 68439-49-6 NLP: 500-212-8	Alcohols, C16-18, ethoxylated Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302	20 - 40%
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Trade name: **Ginol EW 6820 (Emulsifying wax)**

		(Contd. of page 2)
CAS: 67762-27-0 EINECS: 267-008-6	Alcohols, C16-18	60 - 80%

- **SVHC** The components of the preparation are not SVHC
- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
Special First Aid training required.  
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Rinse mouth with water and get medical attention immediately.
- **Information for doctor:** Treat symptomatically and supportively.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Not known.
- **5.2 Special hazards arising from the substance or mixture**  
Carbon monoxide and carbon dioxide
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear suitable protective clothing to avoid contact with skin

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
  - **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- (Contd. on page 4)



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## · **6.3 Methods and material for containment and cleaning up:**

*Pick up mechanically.*

*Sweep up, place in a bag and hold for waste disposal.*

*Ventilate area and wash spill site after material pickup is complete.*

## · **6.4 Reference to other sections**

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for disposal information.*

## **SECTION 7: Handling and storage**

### · **7.1 Precautions for safe handling**

*Always wash hands with soap and water after handling.*

*Ensure good ventilation/exhaustion at the workplace.*

*Advice on safe handling.*

· **Information about fire - and explosion protection:** *No special measures required.*

### · **7.2 Conditions for safe storage, including any incompatibilities**

#### · **Storage:**

#### · **Requirements to be met by storerooms and receptacles:**

*Store in a cool, dry, well-ventilated area.*

#### · **Information about storage in one common storage facility:**

*Store away from incompatible materials.*

· **Further information about storage conditions:** *Keep container tightly sealed.*

### · **7.3 Specific end use(s)**

1) *Synthetic intermediate*

*Coatings*

*Metalworking fluids/rolling oils*

*Mining/offshore - Mining chemicals*

*Process chemical e.g. in Paper and Textiles industries*

2) *Personal care*

*Use in cleaning agents*

3) *Other consumer uses (pharmaceuticals and personal care)*

*Plaster/cement - Use as binders and release agents / Road and construction applications*

*Plastic/rubber- Polymer processing*

4) *Agrochemicals*

## **SECTION 8: Exposure controls/personal protection**

### · **8.1 Control parameters**

· **Additional information about design of technical facilities:** *No further data; see item 7.*

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· **Ingredients with limit values that require monitoring at the workplace:**

*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*

· **Additional information:** *The lists valid during the making were used as basis.*

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

*Keep away from foodstuffs, beverages and feed.*

*Immediately remove all soiled and contaminated clothing*

*Wash hands before breaks and at the end of work.*

*Avoid contact with the eyes and skin.*

· **Respiratory protection:** *Suitable respiratory protective device recommended.*

· **Protection of hands:**



**Protective gloves**

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

· **Material of gloves**

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.*

· **Penetration time of glove material**

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

· **Eye protection:**



**Tightly sealed goggles**

· **Body protection:** *Protective work clothing*

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<b>SECTION 9: Physical and chemical properties</b>	
<b>· 9.1 Information on basic physical and chemical properties</b>	
<b>· General Information</b>	
<b>Appearance:</b>	Ginol EW 6820
	(Emulsifying wax)
<b>· Form:</b>	Ginol EW 6820 (Emulsifying wax)
<b>· Colour:</b>	According to product specification
<b>· Odour:</b>	Odourless
<b>· pH-value:</b>	Not applicable.
<b>· Change in condition</b>	
<b>Melting point/freezing point:</b>	48 - 52 °C
<b>Initial boiling point and boiling range:</b>	310 - 360 °C
<b>· Flash point:</b>	160 °C
<b>· Flammability (solid, gas):</b>	Not determined.
<b>· Decomposition temperature:</b>	Not determined.
<b>· Auto-ignition temperature:</b>	Product is not self igniting.
<b>· Explosive properties:</b>	Product does not present an explosion hazard.
<b>· Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>· Vapour pressure:</b>	Not applicable.
<b>· Density at 60 °C:</b>	0.81 g/cm <sup>3</sup>
<b>· Relative density</b>	Not determined.
<b>· Vapour density</b>	Not applicable.
<b>· Evaporation rate</b>	Not applicable.
<b>· Solubility in / Miscibility with water:</b>	Dispersible
<b>· Partition coefficient: n-octanol/water:</b>	Not determined.
<b>· Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>· Solvent content:</b>	
<b>Solids content:</b>	100.0 %



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## · 9.2 Other information

No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Stable under normal conditions
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Keep away from Heat
- **10.5 Incompatible materials:** Strong oxidising agents, strong acids
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide.

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

### · LD/LC50 values relevant for classification:

#### 67762-27-0 Alcohols, C16-18

Oral	LD50	> 10000 mg/kg bw (rat(Sprague-Dawley)male/female)
Dermal	LD50	>10000 mg/kg bw (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation**  
Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity**  
CAS number: 67762-27-0  
no adverse effect observed (negative)
- **Carcinogenicity**  
CAS number: 67762-27-0  
Not carcinogenic.
- **Reproductive toxicity**  
CAS number: 67762-27-0  
no adverse effect observed
- **STOT-single exposure** No data available.



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- **STOT-repeated exposure** No data available.
- **Aspiration hazard** No data available.

## SECTION 12: Ecological information

### · 12.1 Toxicity

#### · **Aquatic toxicity:**

**67762-27-0 Alcohols, C16-18**

LC50 (96 h) | 130 mg/L (Fish)

### · 12.2 Persistence and degradability

CAS number: 67762-27-0

The BIOWIN QSAR predicts that the substance Alcohols, C16-18 will be readily biodegradable.

### · 12.3 Bioaccumulative potential

 No further relevant information available.

### · 12.4 Mobility in soil

 No further relevant information available.

#### · **Additional ecological information:**

##### · **General notes:**

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### · 12.6 Other adverse effects

 No further relevant information available.

## SECTION 13: Disposal considerations

### · 13.1 Waste treatment methods

#### · **Recommendation**

The product should not get into any kind of water without treatment. Dissolved in water, the material is easily biodegradable (90%) and will not cause any disturbance in wastewater-treatment plants. Due to its low solubility in water, larger amounts need to be eliminated by separators, such as those used for fats and oils.

1) Disposal of small amounts of waste material to be done in accordance with federal, state and local environmental regulations

2) Larger amounts should be collected as described in section 6 and used for recycling crude raw materials.

3) For paper production and textiles it is recommended that waste release from site be limited to 0.98 and 5kg/day (C18) and/or 1.3 and 4 kg/day (C16), respectively if on site biological treatment is not available.

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- **Uncleaned packaging:**
- **Recommendation:**  
Dispose of packaging according to regulations on the disposal of packaging.

## SECTION 14: Transport information

· <b>14.1 UN-Number</b> · <b>ADR, IMDG, IATA</b>	<i>Not regulated</i>
· <b>14.2 UN proper shipping name</b> · <b>ADR, IMDG, IATA</b>	<i>Not regulated</i>
· <b>14.3 Transport hazard class(es)</b> · <b>ADR, ADN, IMDG, IATA</b> · <b>Class</b>	<i>Not regulated</i>
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	<i>Not regulated</i>
· <b>14.5 Environmental hazards:</b>	<i>Not regulated</i>
· <b>14.6 Special precautions for user</b>	<i>Not regulated</i>
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	<i>Not regulated</i>
· <b>UN "Model Regulation":</b>	<i>Not regulated</i>

## SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** *Danger*

(Contd. on page 10)



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· **Hazard-determining components of labelling:**

Alcohols, C16-18, ethoxylated

· **Hazard statements**

H318 Causes serious eye damage.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P280 Wear eye protection / face protection.

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.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** Substance not listed

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

· **Department issuing SDS:** Product safety department.

· **Contact:**

-Mr Bandesh Rao,

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**Date of last revision - 01/04/2021**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)



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*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*SVHC: Substances of Very High Concern*

*vPvB: very Persistent and very Bioaccumulative*

*Acute Tox. 4: Acute toxicity – Category 4*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*

## **Sources**

*REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.*

*ECHA Registered dossier*

*ECHA C&L Inventory*

*Toxplanet database*

## **\* Data compared to the previous version altered.**

- *Section 1: Identification of the substance/mixture and of the company/undertaking*
- *Section 2: Hazard Identification*
- *Section 3: Composition/information on ingredients*
- *Section 4: First-aid measures.*
- *Section 5: Fire-fighting measures*
- *Section 6: Accidental Release measures*
- *Section 7: Handling and storage.*
- *Section 8: Exposure Controls/Personal protection.*
- *Section 9: Physical and Chemical properties.*
- *Section 10: Stability and Reactivity*
- *Section 11: Toxicological Information.*
- *Section 12: Ecological Information.*
- *Section 13: Disposal consideration*
- *Section 14: Transport information*
- *Section 15: Regulatory information*
- *Section 16: Other information*