LUMINOUS COLOUR GEL

**SAFETY DATA SHEET**

**HEMA Free Acrylic Liquid**

This safety data sheet conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010 - Europe

**Section 1: Identification of the substance/mixture and of the company/undertaking**

* 1. **Product identifier**

**Product name:** HEMA Free Acrylic Liquid

**Product code:** HFL01/02

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

**Use of substance / mixture:** Part component used in the creation of Acrylic Nails. For professional use only. To be mixed with acrylic polymer in the manufacture of artificial extensions.

**1.3. Details of the supplier of the safety data sheet**

**Company name:**

Luminous Colour Gel

5 Moxham Street Cranebrook NSW 2749

**Tel:** 0481451050

**Email:** sales@luminouscolourgel.com.au

**Emergency telephone number:** 0481451050

(office hours only)

**Section 2: Hazards identification:**

**2.1 Classification of the substance or the mixture:**

**Product definition:** Mixture

**Classification according to Regulation (EC) No.1272/2008 [CLP/GHS]**

Flam. Liq. 2 H225

Skin Irrit 2 H315

Skin Sens 1 H317

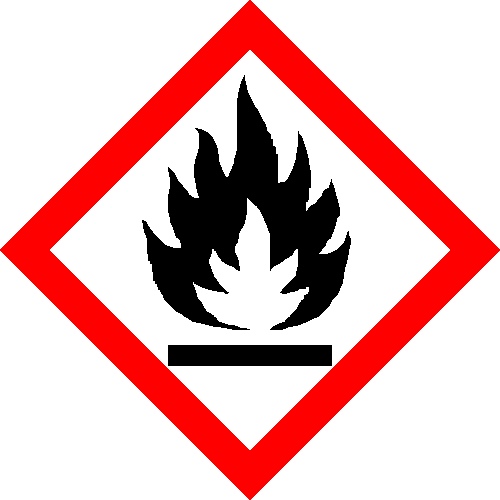
Eye Irrit 2 H319

STOT SE 3 H335

**Most Important adverse effects**:

Highly flammable liquid and vapour. Causes skin irritation. May cause allergic skin reaction when in contact with skin. Causes serious eye irritation. May cause respiratory irritation. Harmful to aquatic organism, may cause long term adverse effects in the aquatic environment.

**2.2 Label Elements**

**Hazard Pictograms:** 

**Signal Word: Danger**

**Hazard statements:**

H225: Highly Flammable liquid and vapour.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation

H335: May cause respiratory irritation

**Precautionary statements**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241: Use explosion proof electrical / ventilation / lighting equipment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of water.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing, rinse with water / shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Other Hazards**: In use, may form flammable / explosive air mixture.

**PBT:** This product is not identified as a PBT/vPvB substance

**Section 3: Composition/information on ingredients:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Product / Ingredient name** | **INCI** | **Identifiers** | **%** | **Classification (1)** | **PBT/**  **WEL** |
| Ethyl Methacrylate | Ethyl Methacrylate | EC: 202-597-5  CAS: 97-63-2 | >75 | Flam Liq 2: H225  Skin Irrit 2: H315  Eye Irrit 2: H319  Skin Sens 1: H317  STOT SE 3: H335 | --- |
| Hydroxy Propyl Methacrylate | Hydroxy Propyl Methacrylate | EC: 248-666-3  CAS: 27813-02-1 | 10-25 | Eye Irrit 2: H319  Skin Sens 1: H317 | --- |
| Glycerol Dimethacrylate | Glycerol Dimethacrylate | EC: ------  CAS: 1830-78-0 | 01-05 | Skin Irrit 2: H315  STOT SE 3: H335 | --- |
| Tetra Ethylene glycol dimethacrylate | Tetra Ethylene Glycol dimethacrylate | EC: ------  CAS: 109-17-1 | 01-05 | Skin Sens 1: H317  STOT SE 3: H335  Skin Irrit 2: H315  Eye Irrit 2: H319  STOT SE 3: H335 | --- |
| N,N-DIMETHYL-P-TOLUIDINE  Reach Reg’  01-2119956633-31-0000 | N,N-DIMETHYL-P-TOLUIDINE | EC: 202-805-4  CAS: 99-97-8 | 01-05 | Acute Tox. 3: H331  Acute Tox. 3: H311  Acute Tox. 3: H301  STOT RE 2: H373  Aquatic Chronic 3: H412 | --- |
| Acrylic Ester | --- | TRADE SECRET | 0.1-01 | --- | --- |
| **Non-Classified Ingredients** |  |  |  |  |  |
| UV ABSORBER | --- | EC: 410-560-1  CAS: --- | 0.1-01 | --- | --- |
| Hydroquinone Monomethyl Ether |  | EC: 205-769-8  CAS: 150-76-5 | <0.1 | Acute Tox. 4: H302  Eye Irrit 2: H319  Skin Sens 1: H317 |  |

Contains Colour CI60725

**Section 4: First aid measures**

**Description of necessary first aid measures:**

**Eye Contact:** bathe the eye with running water for 15 minutes. Consult a doctor.

**Inhalation:** Remove casualty from exposure, ensuring one’s own safety whilst doing so, consult a doctor

**Skin Contact:** Remove all contaminated clothes unless stuck to the skin. Drench the affected skin with running water for ten minutes or longer if the substance is still on the skin, consult a doctor

**Ingestion:** Wash out the mouth with water. Do not induce vomiting, if conscious, give half a litre of water to drink immediately, consult a doctor.

**Protection of first aiders:** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing the aid to give mouth to mouth resuscitation. Wash contaminated clothing thoroughly with water before reusing it or wear gloves.

**Most important symptoms and effects, both acute and delayed:**

**Potential acute health effects:**

**Eye Contact:** There may be irritation and redness. The eyes may water profusely

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest

**Skin Contact:** There may be irritation and redness at the site of contact

**Ingestion:** There may be soreness and redness of the mouth and throat, Nausea and stomach pain may occur

**Delayed Immediate Effects:** Immediate effects can be expected after short term exposure.

**Indication of any immediate and special treatment needed:**

Immediate / special treatment: Not Applicable

**Section 5: Fire-fighting measures:**

**5.1 Extinguishing media:**

**Suitable Extinguishing Media:**

Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool

containers.

**5.2 Special hazards arising from the substance or mixture:**

Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

Vapour may travel considerable distance to source of ignition and flash back.

**5.3 Advice for fire-fighters:**

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact

with skin and eyes.

**Section 6: Accidental release measures**

**6.1 Personal Precautions, Protective Equipment, & Emergency Procedures**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

**6.2 Environmental precautions:**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**6.3 Methods and material for containment and cleanup:**

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for

disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

**6.4 Reference to other sections.**

See section 8 for information on appropriate personal protective equipment

**Section 7: Handling and storage:**

**7.1. Precautions for safe handling:**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

**7.2. Conditions for safe storage, including any incompatibilities:**

**Storage conditions:** Store in a cool, well ventilated area. Keep away from direct sunlight. Keep container

tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic

charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**7.3 Specific end use(s)**

**Recommendations: Not available**

**Industrial Sector Specific**

**Solutions: Not available**

**Section 8: Exposure controls/personal protection:**

**8.1 Control Parameters:**

**ETHYL METHACRYLATE:**

Workplace exposure limits : Respirable dust:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| State | 8hr TWA | 15 min STEL | 8hr TWA | 15 min STEL |
| UK | 250 mg/m3 | -- | -- | -- |

**DNEL / PNEC: No Data available.**

**8.2 Exposure Controls:**

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical

equipment are not a source of ignition.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

**Section 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties:**

**Appearance:**

**Physical State:** Liquid

**Colour:** Dark purple

**Odour:** Characteristic Odour

**Initial Boiling point and**

**boiling range:** 200 C

**Relative Density:** 0.96

**Viscosity:** Non Viscous

**Evaporation Rate:** Fast

**Solubility in water:** Slightly soluble

**9.2 Other Information:** No additional information.

**Section 10: Stability and reactivity:**

**10.1 Reactivity:** Stable under recommended transport or storage conditions

**10.2 Chemical stability:** Stable under normal conditions. Stable at room temperature.

**10.3 Possibility of hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions .Decomposition may occur on exposure to conditions or materials listed below. Polymerisation may occur on exposure to conditions or materials listed below.

**10.4 Conditions to avoid:** Direct sunlight. Heat. Hot surfaces. Sources of ignition. Flames.

**10.5 incompatible materials:** Strong oxidising agents. Strong acids.

**10.6 hazardous decomposition products:** In combustion emits toxic fumes.

**Section 11: Toxicological information:**

**11.1 Information on toxicological effects:**

**Hazardous Ingredients:**

**Ethyl Methacrylate:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IPR | RAT | LD50 | 1223 | mg / kg |
| ORL | MUS | LD50 | 7836 | mg / kg |
| ORL | RAT | LD50 | 14800 | mg / kg |

**Hydroxyl Propyl Methacrylate:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ORL | RAT | LD50 | 11600 | mg / kg |

**Glycerol Dimethacrylate**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ORAL | RAT | OECD423 | >2000 | mg / kg |

**Tetra Ethylene Glycol Dimethacrylate**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ORAL | RAT | LD50 | 10837 | mg / kg |

**N,N-Dimethyl-P-Toluene**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IPR | MUS | LD50 | 212 | mg / kg |

**Relevant hazards for substance:**

|  |  |  |
| --- | --- | --- |
| Hazard | Route | Basis |
| Skin corrosion / irritation | DRM | Hazard Calculated |
| Serious eye damage / irritation | OPT | Hazard Calculated |
| Respiratory / skin issues | DRM | Hazard Calculated |
| STOT- Single exposure | INH | Hazard Calculated |

**Symptoms / Routes of exposure:**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

**Section 12: Ecological information:**

**12.1 Toxicity**

**HYDROXY PROPYL METHACRYLATE**

|  |  |  |  |
| --- | --- | --- | --- |
| Golden Ide | 48H EC50 | 493 | mg/l |

**GLYCEROL DIMETHACRYLATE**

|  |  |  |  |
| --- | --- | --- | --- |
| Fish | 96H LC50 | 43.2 | mg/l |

**N,N-DIMETHYL-P-TOLUIDINE**

|  |  |  |  |
| --- | --- | --- | --- |
| Daphnia Magna | 48H EC50 | 15.259 | mg/l |
| Fish Pimephales promelas | 96H LC50 | 469 | mg/l |

**12.2 Persistence and degradability:**

Biodegradable

**12.3 Bioaccumulative potential:**

No bioaccumulation potential

**12.4 Mobility in soil:**

Readily absorbed into soil

**12.5 Results of PBT and vPvB assessment:**

**PBT:** Not Applicable

**vPvB:** Not Applicable

**12.6 Other adverse effects**

Harmful to aquatic organisms

**Section 13: Disposal considerations:**

**Waste Treatment Methods:**

**Disposal operations:** Transfer to a suitable container and arrange for collection by a specialised waste disposal operator.

**Please note:**  The users attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **ADR /RID** | **ADN** | **IMDG** | **IATA** |
| **14.1 UN Number** | **UN1993** | **UN 1993** | **UN1993** | **UN 1993** |
| **14.2**  **UN Proper shipping Name** | FLAMMABLE LIQUID,  N.O.S. (ethyl  Methacrylate Monomer, Hydroxy propyl methacrylate mixture) | FLAMMABLE LIQUID,  N.O.S. (ethyl  Methacrylate Monomer, Hydroxy propyl methacrylate mixture) | FLAMMABLE LIQUID,  N.O.S. (ethyl  Methacrylate Monomer, Hydroxy propyl methacrylate mixture) | FLAMMABLE LIQUID,  N.O.S. (ethyl  Methacrylate Monomer, Hydroxy propyl methacrylate mixture) |
| **14.3**  **Transport Hazard Class(es)** | **3** | **3** | **3** | **3** |
| **14.4 Packing Group** | **ii** | **ii** | **ii** | **ii** |
| **14.5 Environmental Hazards** | **No** | **No** | **No** | **No** |
| **14.5**  **Marine pollutant** | **No** | **No** | **No** | **No** |
| **Additional INformation** | **Special Provisions**  **640E**  **Tunnel Code**  **(D/E)** | **-** | **-** | **-** |

**Special Precautions:** No special precautions.

**Section 15: Regulatory information**

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

**Chemical Safety Assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

**Section 16: Other information:**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 1272 / 2008

**Phrases used in s.2 and s.3:**

H225: Highly flammable liquid and vapour.

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H311: Toxic in contact with skin.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H335: May cause respiratory irritation.

H373: May cause damage to organs <or state all organs affected, if known> through

prolonged or repeated exposure <state route of exposure if it is conclusively proven that

no other routes of exposure cause the hazard>.

H412: Harmful to aquatic life with long lasting effects.

**Notice to reader**

**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.**

**Information contained within this SDS is only to be distributed as required by law.**