

# MATERIAL SAFETY DATA SHEET

ACCORDING TO REGULATIONS (EC) NO.1907/2006

## ARTIST RESIN

VERSION 2.0 SDB\_GB

REVISION DATE 12/05/2020

PRINT DATE 12/05/2020

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### PRODUCT IDENTIFIER

Trade name: Pour Play Artist Resin

### RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

#### USE OF THE SUBSTANCE/ MIXTURE

Recommended Use: Decorative and protective epoxy coating/casting for artwork/creative applications  
Chemical family: Two-part epoxy resin

### DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Fluid Art Supplies  
[www.fluidartsupplies.com.au](http://www.fluidartsupplies.com.au)  
U2/19 Shaban Street  
Albion Park Rail NSW 2527

### EMERGENCY TELEPHONE NUMBER

0415 747 498

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

First Aid measures are listed in the event the product is not used as intended.

Following the usage instructions provided will ensure first aid measures are not likely needed.

- **Eat:** If swallowed, call a Poison Control Centre or doctor immediately
- **Inhalation:** If swallowed, call a Poison Control Centre or doctor immediately
- **Overexposure Effects:** Prolonged overexposure to this material can cause irritation to the skin and eyes, and respiratory irritation. Though unlikely, can cause allergic skin and/or respiratory reactions and/or headache.
- **Medical conditions aggravated by exposure:** Allergy or skin conditions including eczema
- **Additional Information:** Promptly remove wet clothing
- **Mistaken into the eyes:** If in eyes, rinse with water
- **Skin contact:** If on skin rinse well with water

## 2.2 LABEL ELEMENTS

Labelling (REGULATION (EC) No 1272/2008)

**Hazard Classification:** Skin Irritant - Category 2, Eye Irritant - Category 2

**Signal Word:** CAUTION

Hazard Statement(s): H317 Repeated and prolonged exposure, may cause skin sensitization

### PICTOGRAM:



### 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

**P262:** Do not get in eyes, on skin, or on clothing P271: Use only in a well-ventilated area

**P280:** Wear protective gloves/protective clothing/eye and face protection P285: In case of inadequate ventilation, wear respiratory protection P333+P313: If skin irritation/rash occurs: Get medical attention P337+P313: If eye irritation persists: Get medical advice/attention

**P501:** Dispose of contents/container in accordance with local/regional/ national and international regulations

**NFPA Rating:** Health: 1, Flammability: 1, Instability: 0, Specific Hazard: N/A.



**HMIS® Rating:** Health: 1, Flammability: 1, Physical Hazard: 0, Personal Protection Index: C



## SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

### 3.2 MIXTURES

**Chemical nature:** Modified epoxy resin

**Common Names/Synonyms:** Epoxy Resin, Epoxy Coating, Novolac Epoxy, Two-part Epoxy

**CAS Numbers and other Identifiers:** Epoxy resin

| Chemical Name  | CAS No.    | EC No.    | Concentration |
|----------------|------------|-----------|---------------|
| Epoxy Resin    | 61788-97-4 | /         | 90%           |
| Thinner        | 2425-79-8  | 219-371-7 | 8%            |
| Levellingagent | /          | /         | 2%            |

### HARDENER

| Chemical Name         | CAS No.    | EC No.    | Concentration |
|-----------------------|------------|-----------|---------------|
| Modified Amine Adduct | 61791-26-2 | /         | 95%           |
| Thinner               | 2425-79-8  | 219-371-7 | 5%            |

## SECTION 4: FIRST AID MEASURES

**Inhalation:** Discomfort can breathe fresh air at the ventilation.

**Skin contact:** Wash skin with lotion or soapy water, cause skin allergies should stop contact and seek medical help.

**Into the eyes:** As soon as possible with plenty of water rinse for 15 minutes, still feel discomfort, please seek medical help.

**Eating:** Immediately induce vomiting and send it to the hospital for treatment;

### 4.1 SIGNS OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT:

No information available.

## SECTION 5: FIREFIGHTING MEASURES

### EXTINGUISHING MEDIA:

Form, sand, Carbon dioxide (Co2), water mist.

**Unsuitable extinguishing media:** Water spray jet

### SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

#### Special hazards during fires:

Under high temperature, the pressure inside the sealed container will increase.2.Cool closed containers exposed to fire with water spray.

## ADVICE FOR FIREFIGHTERS

**Special protective equipment or firefighters:** In the event of a fire, wear self-contained breathing apparatus and use personal protective equipment.

**Further information:** Do not inhale fumes in the event of fire or explosion. Use fire-fighting measures appropriate to the local environment and the Victorian environment.

Immediately evacuate personnel to a safe area. To prevent fire water from contaminating the surface water system, fire residues and contaminated fire water must be disposed of in accordance with local regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

#### 6.1 PERSONAL PRECAUTIONS:

1. Refer to the protective measures listed in Articles 7 and 8.
2. Disperse personnel into a safe area.
3. Use personal protective equipment.
4. Ensure adequate ventilation.

#### 6.2 ENVIRONMENTAL PRECAUTIONS

1. If there is a large amount of gas leaking or entering the waterway, soil or drain, it should be notified to the relevant government departments.
2. Do not allow products to be discharged into the environment uncontrolled.

#### 6.3 METHODS AND MATERIALS FOR SEPARATION AND CLEANING:

##### Cleaning method:

1. Soak with inert absorbent material (sand, silica gel, acid binder, universal adhesive, etc.).
2. Contain spillage, then collect with non-combustible adsorbent material (sand, earth, diatomaceous earth, silver mud mica), place in a container, and dispose of it according to local national regulations (see Section 13). Go to the container labelled with the appropriate label.

#### 6.4 REFER TO OTHER SECTIONS:

See section 8 for personal protection.

## SECTION 7: HANDLING AND STORAGE

#### 7.1 SAFETY HANDLING PRECAUTIONS:

1. Provide adequate air exchange or exhaust in the workroom.
2. Avoid inhalation, ingestion / eye/skin contact for a long time.
3. Anyone with a history of skin allergies or asthma, chronic or recurrent respiratory disease should not use the product in any location.

**Fire and explosion protection recommendations:** Keep away from open flames, hot surfaces and sources of ignition.

**Hygiene measures:** Provide adequate ventilation and wash hands immediately before and after using this product.

## 7.2 SAFE STORAGE CONDITIONS, INCLUDING ANY INCOMPATIBILITIES

1. **Use in a well-ventilated place**, prohibit the use of this product in high heat, freezing, sparks, flame Body and clothing in direct contact.
2. **Storage:** cool and dry place to save, pour out the glue cannot be back to the original container.
3. **Other data:** areas where normal temperature and pressure are stable.

## SDB GB SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.DERIVED NO EFFECT LEVEL (DNEL) ACCORDING TO REGULATION (EC) NO. 1907/2006:

1. **Reaction product: bisphenol-A End Use: Workers (epichlorohydrin) and epoxy resin (number average molecular weight**

**< # 700 )**

**End Use:** Workers

**Exposure routes:** Skin contact

**Potential health effects:** Acute systemic effects, Long-term systemic effects Value: 8,33 mg/kg

**End Use:** Workers Exposure routes: Inhalation

**Potential health effects:** Acute systemic effects, Long-term local effects

**Value:** 12.25 mg/m<sup>3</sup> End Use: Consumers

**Exposure routes:** Skin contact.

**Potential health effects:** Acute systemic effects temic effes Value: 3,571 mg/kg

**End Use:** Consumers

**Exposure routes:** Ingestion, Long-term systemic effects Value: 0,75 mg/kg:

1.6-bis (2,3- epoxypropyl hexane End Use: Workers

**Exposure routes:** Skin contact

**Potential health effects:** Long-term systemic effects Value: 2,8 mg/kg End Use: Workers

**Exposure routes:** Inhalation Potential health effects: Long-term systemic effects Value: 4,9 mg/m<sup>3</sup>

2. **Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006 reaction product: bisphenol-A- (epichlorhydrin) and epoxy resin (number average mo- lecular weight ca 700)**

Fresh water

Value: 0,006 mg Marine water

Value: 0,0006 mg/l Intermittent releases Value: 0,018 mg/l Sewage treatment plant Value: 10 mg/l

Fresh water sediment Value: 0,996 mg/kg Marine sediment Value: 0,0996 mg/kg Soil

Value: 0,196 mg/kg

## 8.2 1,6-BIS (2,3- EPOXYPROPOXY) HEXANE

**Sewage treatment plant Value:** 1 mg/l

**Fresh water Value:** 0,0115 mg/l

Fresh water sediment

**Value:** 0,283 mg/kg Marine water Value: 0,00115 mg/l

**Marine sediment Value:** 0,0283 mg/kg Soil

**Value:** 0,223 mg/kg

## 8.3 EXPOSURE CONTROLS ENGINEERING MEASURES

Effective exhaust ventilation system effective ventilation in all processing areas

## 8.4 PERSONAL PROTECTIVE EQUIPMENT

1. Eye protection:
2. Do not wear contact lenses
3. Safety glasses with side-shields conforming to EN166
4. Ensure that eyewash stations and safety showers are close to the workstation location.

### HAND PROTECTION MATERIAL:

**1. Chemical resistant gloves** made of butyl rubber or nitrile rubber category III according to EN 374. Skin and body protection:

**2. Protective suit Respiratory protection:**

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. In the case of vapour formation use a respirator with an approved filter Respirator with a vapour filter (EN 141) Apply technical measures to comply with the occupational exposure limits This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation.

### PROTECTIVE MEASURES:

1. Avoid contact with skin.
2. Wear suitable protective equipment:

### HANDS/FEET PROTECTION

The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact. Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer.

Where the chemical 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. The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.

Personal hygiene is a key element of effective hand care. When handling liquid-grade epoxy resins wear chemically protective gloves (e.g nitrile or nitrile-butatoluene rubber), boots and aprons.

DO NOT use cotton or leather (which absorb and concentrate the resin), polyvinyl chloride, rubber or polyethylene gloves (which absorb the resin).

DO NOT use barrier creams containing emulsified fats and oils as these may absorb the resin; silicone-based barrier creams should be reviewed prior to use. DO NOT use solvent to clean the skin.

## EYE/FACE PROTECTION

Safety glasses with side shields. Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

**Appearance:** Liquid **Colour** Transparent **Odour:** No

**Odour** Threshold: not determined

**pH:** not determined

**Melting point/freezing point:** not determined **Boiling point/boiling range:** 269°C

**Flash point:** 269°C

**Evaporation rate:** not determined **Upper explosion limit:** not determined **Lower explosion limit:** not determined **Vapour pressure:** not determined

**Relative vapour density:** not determined **Density:** 1,15 g/cm<sup>3</sup> (25 °C)

**Bulk density:** not determined

### Solubility (ies)

**Solubility in other solvents:** not determined

**Partition coefficient: n-octanol/water:** No data available **Auto-ignition temperature :** Not applicable

**Thermal decomposition:** Not applicable: Method: No data available

**Viscosity:** 1000-2000 mPa.s (25 °C) **Viscosity, kinematic:** not determined **Explosive properties :** Not applicable **Oxidizing properties :** Not applicable

## 9.2 OTHER INFORMATION

**Surface tension:** Not determined. **Sublimation point:** Not applicable.

## SECTION 10: STABILITY AND REACTIVITY

### REACTIVITY

Stable under recommended storage conditions.

### CHEMICAL STABILITY

No decomposition if stored and applied as directed.

### POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous reactions

Reacts with the following substances: Bases Strong oxidizing agents.

Avoid amines.

### CONDITIONS TO AVOID

**Conditions to avoid:** No decomposition if used as directed.

## INCOMPATIBLE MATERIALS

**Materials to avoid:** Incompatible with oxidizing agents.

## HAZARDOUS DECOMPOSITION PRODUCTS

**Hazardous decomposition products:** This product may release the following: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Non-toxic and tasteless Product: Non-toxic and tasteless Remarks: No data available.

**Components:** reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight < 700):

### 11.2 SKIN CORROSION/IRRITATION

Product: No

Remarks: No data available

**Components: reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight < 700):**

**Species:** Rabbit Exposure time: 4 h

**Method:** OECD Test Guideline 404 Result: Skin irritation GLP: yes

### 11.3 SERIOUS EYE DAMAGE/ EYE IRRITATION PRODUCT

**Remarks:** No data available Respiratory or skin sensitisation

**Product:** Remarks: No data available

### 11.4 COMPONENTS:

**Reaction product:** bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <700):

**Test Type:** Mouse Local Lymph Node assay (LLNA) Species: Mouse

**Method:** OECD Test Guideline 429 Result: May cause sensitisation by skin contact

**GLP:** yes

**GERM CELL MUTAGENICITY CARCINOGENICITY REPRODUCTIVE TOXICITY STOT -SINGLE EXPOSURE PRODUCT: REMARKS: NOT APPLICABLE STOT -REPEATED EXPOSURE REPEATED DOSE TOXICITY PRODUCT:**

Remarks: No data available

**ASPIRATION TOXICITY COMPONENTS: REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) AND EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <700):**

No aspiration toxicity classification

### FURTHER INFORMATION PRODUCT:

**Remarks:** No data available.



## SECTION 12: ECOLOGICAL INFORMATION

**Additional Information:** Amines in general may be harmful to aquatic organisms.

**Aquatic Toxicity:** No further relevant information available

**Persistence and Degradability:** No further relevant information available.

**Biocumulative Potential:** No further relevant information available.

**Mobility in Soil:** No further relevant information available.

### 12.1 PERSISTENCE AND DEGRADABILITY PRODUCT

Biodegradability:

Remarks: No data available

#### COMPONENTS:

reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecularweight 700):

#### BIODEGRADABILITY:

Result: Not readily biodegradable. Method: OECDTest Guideline 301F GLP: yes

#### BIOACCUMULATIVE POTENTIAL PRODUCT:

Bioaccumulation : Remarks: No data available

#### MOBILITY IN SOIL

No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with federal, state and/or local regulations

**Recommendations:** Cured product may be disposed of together with household garbage

## SECTION 14: TRANSPORT INFORMATION

**DOT, ADR AND IMDG, IATA:** Non-hazardous for transport

**Hazard Class under:**

**DOT, ADR AND IMDG, IATA:** Non-hazardous for transport Marine Pollutant: Non-hazardous for transport Class:55

**UN:**3907.30.0000

**Notes:** Not regulated under DOT, ADR, AND, IMDG, IATA

## SECTION 15: REGULATORY INFORMATION

### OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA):

This Safety Data Sheet (SDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200(g). This product is not considered to be a hazardous chemical under that standard.

### TRALHAMA:

This Safety Data Sheet (SDS) has been prepared in compliance with Toxicological Risk Assessment report # 5118-334-0103A/B which determined that: "the product is not considered to be toxic (acute/chronic), corrosive, and/or a strong sensitizer when used as intended or under circumstances involving reasonably foreseeable misuse. The classification of hazards are as defined in the 16 CFR 1500.3 (b) (5) , (7)-(9) (FHSA regulations)."

### RESOURCE CONSERVATION AND RECOVERY ACT (RCRA):

Not a hazardous waste under RCRA (40 CFR 261).

**Toxic Substances Control Act (TSCA):** All ingredients are on the TSCA inventory and are exempt as per 40 CFR 723.50 Low Volume Exemption (LVE) and Low Environmental Release and Low Human Exposure Exemption (LoREX).

**SARA Title III: Section 304 - CERCLA:** Not listed.

**SARA Title III: Section 313 Toxic Chemical List (TCL):** This product does NOT contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Sec. 313 (40 CFR 372). This information must be included in all SDSs that are copied and distributed for this material.

**Proposition 65 (Safe Drinking Water and Toxic Chemicals Act):** None of the components of this formula are known to the state of NSW to cause cancer, birth defects or other reproductive harm.

## SECTION 16: OTHER INFORMATION

The SDS is based on the new OSHA HCS requirements for chemical manufacturers that came into effect in June 2015.

The product passed the Food Simulated Solvent Extraction (FSSE) test. This product complies with ASTM D4236.  
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