Material Safety Data Sheet(GHS)

Date: Jun. 25, 2015

1. Product Identification

Product name	URPC
	CMYKW
Manufacturer	VISCOSMO Co.
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2. Hazards Identification

2.1 Hazard Classification: Acute toxicity(oral): Category 1

Skin corrosion / Irritation : Category 1

Serious eye damage / eye irritation : Category1

2.2 Label Elements Including Precautionary Statements:

Symbol:



Signal Word: Warning

Hazard Risk Harmful if swallowed.

Causes serious eye damage.

May cause an allergic skin reaction.

Precautionary Statement:

Prevention: Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapours/spray.

Wear suitable protective clothing, gloves and eye/face protection.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace.

Avoid contact with skin and eyes.

Use only outdoors or in a well-ventilated area.

Response IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower.

Wash contaminated clothing before reuse.

IF INHALED:Remove to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

Take necessary specific treatment.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Storage: Store locked up.

Disposal: Dispose of contents/container by the special waste disposal trader who receives the

permission of metropolis and districts governor.

2.3 Other Hazard. None Known

Risk which are not included in the classification criteria:

3. Composition/Information on Ingredients

Ingredient	CAS No	%
Pigment	-	0-10%
Tetra Hydro Furfuryl Acrylate	2399-48-6	10-40%
Isobonyl Acrylate	5888-33-5	10~40%
Mixture of acrylate resin	Trade Secret	10-40%
Phosphine Oxide	1333-86-4	1-10%

4. First Aid Measures

Inhalation: move to fresh air. If breathing is difficult, give oxgen. Call a physian.

Ingestion: Induce vomiting immediately as directed by medical personnel.

Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes.

removing contaminated clothing and shoes.

Eye Contact : Immediately flush eyes thoroughly with water for at least 15 minutes, Remove

contact lenses after initial 1-2minutes and continue flushing for several additional

minutes. If effects occur, consult physician, preferably an ophthalmologist.

5. Fire-Fighting Measures

Extinguishing Media:

Water fog or fine spray. Carbon dioxide. Dry chemical fire extinguishers. Foam. Alcohol resistant foams are preferred. General purpose synthetic foams or

protein foams may function, but will be less effective.

Special procedures : Do not use directed water stream.

Unsual Fire and Expolsion Hazards: None Known.

Hazardous Combustion Products:

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/ or irritating. Combustion products may include and are not limited to: carbon oxides.

Protection of Firefighters:

Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves.) If protective equipment is not available or not used, fight fire from a protected location or a safe distance.

Specific Fire or Explosion Hazards:

Fine dust of this product can form explosive mixtures with air and poses a definite fire and explosion hazard at all times; keep away from ignition sources.

Vapors are heavier than air and may travel a long distance and accumulate in low lying areas. Ignition and/or flashback may occur.

Spills of these organic liquids on hot fibrous insulations may lead to lowering of the autoignition temperatures, possibly resulting in spontaneous combustion.

6. Accidental Release Measures

Personal Precautions:

Eliminate all sources of ignition in vicinity of spill or released vapor to avoid fire or explosion. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Environmental Precautions:

Vapor explosion hazard, keep out of sewers. Contain liquid to prevent contamination of soil, surface water or ground water.

7. Handling and Storage

Handling: Containers, even those that have been emptied, can contain vapors.

No smoking, open flames or sources of ignition in handling and storage area.

Storage: Storage and use areas should be No Smoking areas.

Use of non-sparking or explosion proof equipment may be necessary, depending

upon type of operation. Minimize sources of ignition, such as static buildup, heat, spark or flame.

Keep container closed.

Keep at temperatures between 10° C and 35° C. Keep out of the reach of children.

Keep away from direct sunlight.

8. Exposure Controls/Personal Protection

Exposure Guidelines:

A "skin" notation following the exposure guideline refers to the potential for dermal absorption of the material including mucous membranes and the eyes either by by contact with vapors or by direct skin contact.

Engineering Controls:

Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

Personal Protective Equipment:

Respiratory Protection: For Most conditions no respiratory protection should be needed; however,

if discomfort is experienced, use an approved air-purifying respirator.

In misty atmospheres, use an approved particulate respirator.

For emergency conditions, use and approved positive-pressure self-contained

breathing apparatus.

Protective Clothing: Use protective clothing chemically resistant to this material. Selection of

specific items such as face shield, gloves, boots, apron, or full body-suit

will depend on operation.

Remove contaminated clothing immediately, wash shin area with soap and

water, and launder clothing before reuse or dispose of properly.

Hand/Skin Protection: Wear gloves made butyl rubber, Neoprene..

Eye/Face Protection: Use safety glasses. If exposure causes eye discomfort, use a full-face respirator.

9. Physical and Chemical Properties

Appearance/Odor: Colored liquid

Boiling Point , °C : 160 °C Vapor Pressure mmHg :

Flash Point, $^{\circ}$: >120 $^{\circ}$ (Closed Cup Water Solubility : not miscible

Vapor Density (Air=1) : >3 Evaporation Rate

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Conditions to Avoid: Avoid heat and freezing temperatures. Keep away from direct sunlight.

Materials to Avoid : Strong Oxidizing materials, peroxides, acids or iron.

11. Toxicological Information

Routes of toxicology: Eye, skin, inhalation, and oral.

Acute Health Hazards: Overexposure of eye surface to ink may be mildly irritating.

Overexposure of skin to ink may cause irritation, redness and swelling.

Inhalation or overexposure to ink vapors may result in respiratory tract irritation

and anesthesia.

Ingestion may cause upset stomach.

Chronic Health Hazards: None known.

Mutagenicity: The components are not reported to produce mutagenic effects in humans.

Carcinogenicity: The components are not reported to produce carcinogenic effects in humans.

Irritancy of product: Exposure of ink to eye, skin, and inhalation may irritate tissue.

Acute Toxicity Estimates:

Acute oral toxicity: LD 50 2026 mg/kg (male rat)

1790 mg/kg (female rat)

Species rat

Method OECD-Guideline No. 401

Acute dermal toxicity: LD 50 > 2000 mg/kg

Species rat

Method 440/2008/EEC B. 3, OECD-Guideline No. 402

Acute inhalation toxicity (mist):

LC50 5.82 mg/L (4hr)

Species rat

Skin and Eye:

Skin corrosion/irritation:

Evaluation Slightly irritating (P.I.I. = 2.0)

Species Rabbit

Method OECD-Guideline No. 404

Serious eye damage/eye irritation

Evaluation Non-irritant Species Rabbit

Method 92/69/EEC B. 5, OECD-Guideline No. 405

Sensitization:

Evaluation Skin sensitizer

Species Mouse

Method OECD-Guideline No. 429 (Local Lymph Node Assay)

Mutagenicity: No information available

Carcinogenicity:

Not Established IARC, NTP, EU, OSHA and ACGIH.

Reproductive Toxicity:

Route of Exposure Oral Species rat

NOAEL value 400 mg/kg/d NOEL Value 400 mg/kg/d

Method OECD-Guideline No. 422

Chronic toxicity or long term toxicity:

Route of Exposure Oral Species rat Duration of exposure 28 d

NOAEL value 160 mg/kg/d NOEL Value 50 mg/kg/d

Method 92/69/EEC B.7, OECD-Guideline No. 407

Aspiration hazard: Not Available.

12. Ecological Information

Toxicity:

We have no quantitative data concerning the ecological effects of this product. Environmental fate information is derived from consideration of the propertients.

Persistence and degradability: No information available

Bioaccumulative and degradability: No information available

Mobility in soil : No information available

Results of PBT and vPvB assessment No information available

Other adverse effects: No information available

13. Disposal Considerations

Any disposal practice must be in compliance with all local and national laws and regulations.

Disposal:

Incinerate under controlled conditions in accordance with all local and national laws and regulations.

Contaminated Packaging:

Empty containers can only be disposed of when the remaining product adhering to the container walls has been removed. Remove all labels.

14. Transport Information

The UN classification number

UN Class: Not applicable UN Number: Not applicable

Proper shipping Name: Not applicable

Packing Group: Not applicable Marine Pollutant: Not applicable

Specific precautionary transport measures and conditions:

Avoid falling, dropping, shocking and dragging a container.

Protect a container from direct sunlight.

By 49 CFR 172.101 published by the US department of Transportation, this product is not considered

Dangerous Goods.

DOT listing: None

Packing group: None

DOT Labels required: None

Marine pollutant: Components are not listed as marine pollutants.

15. Regulatory Information

All components are on TSCA, EINECS/ELINCS, AICS, DSL, ENCS, and ECL.

All components are REACH registered and not listed in Annex XIV of EC No., 1907/2006 REACH Restriction.

All components are not listed on SARA Title III 313.

Regulatory information with regard to this product in your country or region should be examined by the end user.

16. Other Information

The information herein is given in good faith, but no warranty express or implied, is made.

Recipients of our product must take responsibility for observing existing laws and regulations.