

SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT CODE: 403043

PRODUCT NAME: Jewel Color for UV Resin Brown

COMPANY IDENTIFICATION

Company name	PADICO Co., Ltd.
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Department	Research and Development section
Person in charge	Yuta Endo
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Recommended use of product and restrictions on use	Coloring of UV curing resin

2. HAZARD IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

PHYSICAL HAZARDS

Explosives	: Not classified
Flammable gases	: Not classified
Flammable aerosols	: Not classified
Oxidizing gases	: Not classified
Gases under pressure	: Not classified
Flammable liquids	: Category 4
Flammable solids	: Not classified
Self-reactive substances and mixtures	: Not classified
Pyrophoric liquids	: Not classified
Pyrophoric solids	: Not classified
Self-heating substances and mixtures	: Not classified
Substances and mixture which, in contact with water, emit flammable gases	: Not classified
Oxidizing liquids	: Not classified
Oxidizing solids	: Not classified
Organic peroxides	: Not classified
Corrosive to metals	: Not classified

HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity (inhalation: gas)	: Not classified
Acute toxicity (inhalation: dust)	: Not classified
Acute toxicity (inhalation: mist)	: Not classified
Skin corrosion / irritation	: Not classified
Serious eye damages / eye irritation	: Not classified
Respiratory sensitization	: Not classified
Skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified

Carcinogenicity : Not classified
 Reproductive toxicity : Not classified
 Specific target organ toxicity [single exposure] : Not classified
 Specific target organ toxicity [repeated exposure] : Not classified
 Aspiration hazard : Not classified

ENVIRONMENTAL HAZARDS

Aquatic toxicity (acute) : Not classified
 Aquatic toxicity (chronic) : Not classified
 Harmful effect on the ozone layer : Not classified

GHS LABEL ELEMENTS INCLUDING: PRECAUTIONRY STATEMENTS

SYMBOL : 

SIGNAL WORD : Warning
 HAZARD STATEMENT : Flammable liquid

PRECAUTIONRY STATEMENTS

[Prevention] : Do not handle until all safety precautions have been read and understood.

Keep away from flames and hot surfaces. No smoking.
 Wear protective gloves/ eye protection/ face protection.
 Wash the hands thoroughly after handling.
 Wear eye protection/ face protection.

[Response] : IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
 IF INHALED: Call a POISON CENTER/ doctor if you feel unwell.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 IF EYE IRRITATION PERSISTS: Get medical advice/ attention.
 In case of fire: use foam, powder (Dry chemical), carbon dioxide and sand to extinguish.

[Storage] : Store in a well-ventilated place. Keep cool.

[Disposal] : Dispose of contents/ container to waste in accordance with local/ regional/ national/ international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE:

Component	Content (%)	Cas No.
Glycols	65-75	Registered
Synthetic resin	20-30	Registered
Organic color	0.5-1.0	Registered

4. FIRST AID MEASURES

IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing.
 IF ON SKIN : Shed clothes that are attached content.

Wash with plenty of soap and water. Get medical attention
 IF INHALED : Call a POISON CENTER/ doctor if you feel unwell.
 IF SWALLOWED : Rinse mouth with water.
 Call a POISON CENTER/ doctor if you feel unwell.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : foam, powder (Dry chemical), carbon dioxide, dry sand
 UNSUITABLE EXTINGUISHING MEDIA : Water
 SPECIFIC EXTINGUISHING METHOD : There is a possibility that the fire by heat, sparks, and fire.
 Burn to vigorously heating.
 In event of a fire, there is a possibility to generate a corrosive, toxic and irritation gas.
 SPECIAL PROTECTIVE FOR FIRE-FIGHTERS : Remove all ignition sources if be able to do in safe.
 Not move when the container is exposed to heat.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES : Remove all ignition sources.
 Isolate the location of the possibility of leakage.
 Ventilate in the case of an enclosed area.
 ENVIROMENTAL PRECAUTIONS METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP RECOVERY AND NEUTRALIZATION : Do not release into the environment.
 Stop leak if without risk.
 Recover with inert material and put in a container.
 MEASURES TO PREVENT SECONDARY DISASTER : Remove all ignition sources immediately.
 Stop leak into the environment.

7. HANDLING AND STORAGE
HANDLING

TECHNICAL MEASURE (LOCAL-VENTILATION/WHLE-VENTILATION) : Take measures of as described in chepter”8. EXPOSURE CONTROLS / PERSONAL PROTECTION”.
 As much as possible to prevent the scattering of the vapor and the leakage of the liquid.
 NOTES : Wash the hands after handling.
 Do not eat, drink, or smoke when using this product.
 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
 Use only outdoors or in a well-ventilated area.
 Do not swallow.
 Do not put in eyes.
 Avoid contact with skin.
 CONTACT EVASION : See chapter 10” STABILATY AND REACTIVITY”.
STORAGE
 APPROPRIATE SAFEKEEPING : Avoid strong oxidizing agent.

CONDITION Seal the container and storage in a well-ventilated area.

PACAGING MATERIALS : No data

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL LIMIT : Not set

OCCUPATIONAL : Not set

EXPOSURE LIMITS

FACILITY AND EQUIPMENT MEASURES : Provide shower and eye washer at place where is stored and handled this material.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection : Wear respiratory protective device.

Hand protection : Wear rubber gloves.

Eye protection : Wear safety goggles.

Skin and body protection : Wear personal protective equipment and protective shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical condition : Liquid

Color : Brown

Odour : Few specific odor

pH : No data

Freezing point : No data

Boiling point : $\leq 161^{\circ}\text{C}$

Flash point : $\geq 64.5^{\circ}\text{C}$ (closed method)

Explosion properties : No data

Vapor pressure : No data

Specific gravity : No data

Solubility : Insoluble in water. Soluble in alcohol.

Octanol/water partition coefficient : No data

Autoignition temperature : $\geq 239^{\circ}\text{C}$

Decomposition temperature : No data

10. STABILATY AND REACTIVITY

REACTIVITY : Nothing

STABILITY : Stable under the usual handling.

POSSIVILITY OF HAZARDOUS REACTIONS : Reacts with strong oxidants.

CONDITIONS TO AVOID : Burning.

INCOMPATIBLE MATERIALS : Strong oxidants.

HAZARDOUS DECOMPOSITION PRODUCTS : Toxic gas included the carbon monoxide.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY [ORAL] : No data

ACUTE TOXICITY [SKIN] : No data

ACUTE TOXICITY [INHALATION] : No data

SKIN CORROSION/IRRITATION : No data

SERIOUS EYE DAMAGE/EYE IRRITATION : No data

RESPIRATORY OR SKIN SENSITIZATION : No data

GERM CELL MUTAGENICITY	:	No data
CARCINOGENICITY	:	No data
REPRODUCTIVE TOXICITY	:	No data
SPECIFIC TARGET ORGAN TOXICITY [SINGLE EXPOSURE]	:	No data
SPECIFIC TARGET ORGAN TOXICITY [REPEATED EXPOSURE]	:	No data
ASPIRATION HAZARD	:	No data

12. ECOLOGICAL INFORMATION

ECOTOXICITY	:	No data
DEGRADABILITY AND PERSISTENCE	:	No data
BIOACCUMULATION POTENTIAL	:	No data
MOBILITY IN SOIL	:	No data
HARMFUL EFFECT ON THE OZONE LAYER	:	No data

13. DISPOSAL CONSIDERATION

THE REMAINDER WASTE	:	Dispose of contents/ container to waste in accordance with local/ regional/ national/ international regulations.
POLLUTION CONTAINER AND PACKING	:	Dispose of contents/ container to waste in accordance with local/ regional/ national/ international regulations.

14. TRANSPORT INFORMATION INTERNATIONAL REGULATIONS

UN number	:	Not applicable
Hazard class	:	Not applicable
Packing Group	:	Not applicable

15. REGULATORY INFORMATION

The evaluation of chemical substances and regulation of their manufacture, etc. (JAPAN)	:	Dangerous goods (flammability) Notification substance: copper and its compounds
Industrial Safety and Health act (JAPAN)	:	Not applicable
Fire and Disaster Management act (JAPAN)	:	Class 4 petroleum No.2
Poisonous and Deleterious Substances control act (JAPAN)	:	Not applicable

16. OTHER INFORMATION

REFERENCES

1. Japan chemical industry association, "GHS correspondence guideline (2012)"
2. National institute of technology and evaluation, "Chemical Risk Information Platform (CHRIP)"
<http://www.safe.nite.go.jp/japan/db.html>
3. National Institute of Health Sciences (NIHS), "International Chemical Safety Cards (ICSC) -Japanese Version-"
<http://www.nihs.go.jp/ICSC/>

4. UNITED NATIONS, "GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) Rev.4 (2011)

All specifications are to be created based on the information we can get at this time may be revised by new knowledge.

The content, the physico-chemical property and so on are not a guaranteed performance.

Notes are usually aimed at handling. If special handling, usage, please Usage for safety measures.