

SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT CODE: 403258

PRODUCT NAME: Jewel Color Gold

COMPANY IDENTIFICATION

Company name	PADICO Co., Ltd.
Address	673-3 Jinba Gotenba City, Shizuoka JAPAN 412-0047
Telephone	0550-89-7521
Department	Research and Development section
Person in charge	Yuta Endo
Fax	0550-89-5951
Emergency telephone	0550-89-7536
E-mail	safety@padico.co.jp
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)	: Category 5
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	: Category 2B
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 WARD : Warning
 HAZARD STATEMENT : Flammable liquid
 May be harmful if swallowed
 Causes serious eye irritation

PRECAUTIONARY STATEMENTS

[Prevention] : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 Wash the hands thoroughly after handling.
 Wear eye protection/ face protection.

[Response] : In case of fire: Use foam, powder (Dry chemical), carbon dioxide and dry sand to extinguish.
 Call a POISON CANCER/ 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.

[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.
Alcohol	60-70	Registered
Synthetic resin	10-20	Registered
Mica	5.0-10	Registered
Titanium oxide	5.0-10	13463-67-7
Silicon dioxide	5.0-10	7631-86-9
Iron oxide	1.0-5.0	1309-37-1
Tin Oxide	0.1-0.2	18282-10-5

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 EXTINGTION 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 possible 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.
- MEASURES TO PREVENT SECONDARY DISASTER : Recover with inert material and put in a container.
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.

	Don't swallow.
	Don't 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	: Provide shower and eye washer at place where is stored
EQUIPMENT MEASURES	: 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	: Ink color
Odour	: Few specific odor
pH	: No date
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.
POSSIBILITY OF HAZARDOUS	: Reacts with strong oxidants.
REACTIONS	
CONDITIONS TO AVOID	: Burning.
INCOMPATIBLE MATERIALS	: Strong oxidants.
HAZARDOUS DECOMPOSITION	: Toxic gas include the carbon monoxide.
PRODUCTS	

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY [ORAL]	:	Category 5
ACUTE TOXICITY [SKIN]	:	No data
ACUTE TOXICITY [INHALATION]	:	No data
SKIN CORROSION/IRRITATION	:	No data
SERIOUS EYE DAMAGE/EYE IRRITATION	:	Category 2B
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 Substances/ Flammable substances Hazardous Substance to be notified in term of Whose Names, etc.: Titanium oxide, silicon dioxide, iron oxide
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.