

## Safety Data Sheet

[Mixture (Paint)]

### 1. Products and company identification

Product name	MATTE COVER SPRAY ECO TYPE
Supplier	Roval Corporation
Address	1-1, Nomuramotomachi, Hirakata, Osaka
Section in charge	Research & Development Department
Phone number	+81-72-894-7590
Fax number	+81-72-894-7593
e-mail address	jp-info@roval-group.com
Emergency Phone Number	+81-72-894-7191
Preparation, revision, and confirmation	Feb 2, 2026
Product type	Acrylic resin paint
Recommended use	Repairing and coloring of low gloss galvanizing surfaces

### 2. HAZARDS IDENTIFICATION

#### [GHS Classification]

PHYSICAL HAZARDS	Aerosol		Category 2		
HEALTH HAZARDS	Acute toxicity				
	Oral	Dermal	Inhalation (Gases)	Inhalation (Vapours)	Inhalation (Dust/Mist)
	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
	Skin corrosive /irritating	Serious eye damage /eye Irritation	Respiratory/Skin sensitization		
			Solid/Liquid	Gas	Skin sensitisation
	Classification not possible	Category 2B	Classification not possible	Classification not possible	Classification not possible
	Germ cell mutagenicity	Carcinogenicity	Reproductive toxicity	Effects on or via lactation	
			Classification not possible	Classification not possible	Classification not possible
	STOT (Single exposure)	Category 1	Category 2		Category 3
		_____	Respiratory system		May cause drowsiness and dizziness
STOT (Repeated exposure)	Category 1	Category 2			
	_____	Respiratory system			
Aspiration hazard	Hazardous to the aquatic environment (Acute)		Hazardous to the aquatic environment (Chronic)		
	Not classified	Category 2	Category 2	Classification not possible	

#### [GHS Symbols]

##### Pictogram:



##### Signal word:

WARNING

##### Hazard statement:

- H223 : Flammable aerosol.
- H229 : Pressurised container: May burst if heated.
- H319 : Causes serious eye irritation.
- H371 : May cause damage to organs(respiratory system).

- H336 : May cause drowsiness or dizziness.  
 H373 : May cause damage to organs (respiratory system) through prolonged or repeated.  
 H410 : Very toxic to aquatic life with long lasting effects.

**Precautionary Statement:**

[SAFETY MEASURES]

- P201 : Obtain special instructions before use.  
 P202 : Do not handle until all safety precautions have been read and understood.  
 P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 : Do not spray on an open flame or other ignition source.  
 P260 : Do not breathe dust/fume/gas/mist/vapours/spray.  
 P264 : Wash hands thoroughly after handling.  
 P273 : Avoid release to the environment.

[FIRST AID]

- P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 P314 : Get medical advice/attention if you feel unwell.  
 P337+P313 : If eye irritation persists: Get medical advice/attention.  
 P391 : Collect spillage.

[STORAGE]

- P410+P412 : Protect from sunlight. Do not expose to temperatures exceeding 40 °C/104°F.

[DISPOSAL]

- P501 : Appropriately dispose of the contents/containers in accordance with laws and regulations.

3. Composition/information on ingredients

Distinguishing Chemicals and Mixtures: Mixtures (Product Content Weight: 300 ml = 366.7 g/bottle)

Substance name	%Weigh	CAS No.
1-Methoxy-2-propyl acetate	5 ~ 10	108-65-6
Butyl acetate	1 ~ 5	123-86-4
Zinc	10 ~ 15	7440-66-6
Zinc oxide	< 1	1314-13-2
Carbon black	< 1	1333-86-4
Dimethyl ether	50 ~ 55	115-10-6

4. First-aid measures

**Inhaled:**

- Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Contact a doctor when you feel ill.

**Skin contact:**

- Wipe off the adherent quickly with a cloth.  
 Wash the affected area with plenty of water with mild soap.  
 Do not use solvents or thinners.  
 If there is any change in appearance, irritation, or pain, consult a physician when mood is bad.  
 Take off contaminated clothing and Wash it before reuse.  
 If it gets on the skin (or hair): remove all contaminated clothing immediately.  
 Wash skin with water or shower.

**Eye contact:**

- Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do.  
 Continue rinsing.

Consult Earlier medical attention as much as possible.

If eye irritation persists: Get medical advice/attention.

**If on clothing:**

Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

**Swallowed:**

If swallowed incorrectly, allow the patient to rest and consult a physician immediately.

Do not induce vomiting.

**First Aid:**

Wear appropriate protective equipment (e.g. protective glasses, protective masks, gloves, etc.).

Ventilation is performed.

5. Fire-fighting measures

**Suitable extinguishing agents:**

Carbon dioxide, foam and powder.

**Fire extinguishing agents not to be used:**

Water (rod-shaped water, high-pressure water)/rod-shaped reinforcing liquid.

**Special methods for extinguishing fires, protection of persons who extinguish fires:**

Wear proper protective equipment.

Quickly remove flammable materials from the surroundings if safe to deal with.

Use specified extinguishing media.

Cool closed containers which may be exposed to heat.

Extinguish from windward side.

Keep distant during fire fighting, heated container may burst.

6. Accidental release measures

**Precautions for the Human Body, Protective Equipment, and Emergency Measures:**

Appropriate protective equipment (protective gloves, protective masks, aprons, goggles, etc.) should be worn during work.

Ventilating firmly indoors In outdoor cases, work from the windward as much as possible.

Prevent secondary disasters by prohibiting access to the surrounding area and keeping other people away.

Avoid sparks, flames and anything which can cause fire.

Prepare extinguishing media for accidental fire.

Shaking during leaking may cause the contents to spray.

Handle with care.

**Environmental precautions:**

Be careful not to cause environmental effects due to discharge into rivers, etc.

**Containment and Purification Methods and Equipment:**

For small spill, absorb spills with inert materials, then place in a chemical waste containers.

Disposal of deposits, waste, etc. shall be made in accordance with relevant laws and regulations.

Collect by using a tool made of a material that does not generate sparks due to impact or static electricity.

Absorb in dry sand, soil, or other non-combustible materials for recovery.

A large amount of leakage is prevented by surrounding with embankment.

7. Handling and storage

**Handling:**

Handle in a well-ventilated area.

The container is sealed each time.

Keep away any source of flame, sparks, and heat.

Wear antistatic cloths and shoes.

Use sparkless equipment.

For countermeasures against static electricity, the equipment, etc. shall be grounded, and explosion-proof type shall be used for



Odour : Solvent odour Flammability : Flammable liquid  
 Flash point : Undiluted solution 26.0°C Gas -41.1°C  
 Auto-ignition temperature : 350°C  
 Decomposition temperature: No data Kinematic viscosity : No data  
 Vapor pressure : 506.6kPa(20.8°C) pH : No data  
 Relative vapour density : >2 Particle characteristics : No data  
 Density and/or relative density : 0.87  
 Boiling point or initial boiling point : -24.8°C~146°C  
 Lower and upper explosion limit / flammability limit : LEL 1.5vol% UEL 27.0 vol %

### 1 0. Stability and Reactivity

Reactivity: No self-reactivity.

Chemical Stability: Stable in normal handling.

Hazardous Reaction Potential: No data.

Conditions to avoid: Heating, high temperature, contact with incompatible substances.

Forming of mixture with atmosphere within flammable limit.

Incompatible substances: Risk of reacting on contact with oxidizing substances, water, etc.

Hazardous decomposition products: Heat decomposition produces carbon monoxide, carbon dioxide. Generate stimulant gas

### 1 1. Toxicological information

#### ACUTE TOXICITY

Substance name	Oral	Classification	Demal	Classification
1-Methoxy-2-propyl acetate	8.532g / kg	Not classified	> 5.0 g / kg	Not classified
Butyl acetate	10.736g / kg	Not classified	> 5.0 g / kg	Not classified
Zinc	> 2.0 g / kg	Not classified	Classification not possible	
Zinc oxide	> 5.0 g / kg	Not classified	> 5.0 g / kg	Not classified
Carbon black	> 8.0 g / kg	Not classified	Classification not possible	
Dimethyl ether	Classification not possible		Classification not possible	

#### ACUTE TOXICITY

Substance name	Inhalation (Gas)		Inhalation (Vapors)		Inhalation (dust, mist)	
		Classification		Classification		Classification
1-Methoxy-2-propyl acetate	Not classified		Classification not possible		Classification not possible	
Butyl acetate	Not classified		Classification not possible		Classification not possible	
Zinc	Not classified		Classification not possible		> 5.4 mg / L	Not classified
Zinc oxide	Not classified		Not classified		> 5.7 mg / L	Not classified
Carbon black	Not classified		Not classified		Classification not possible	
Dimethyl ether	16400ppm	Not classified	Not classified		Not classified	

Substance name	Skin corrosive/Irritating	Serious eye damage /eye Irritation	Respiratory sensitisation	Skin sensitisation
1-Methoxy-2-propyl acetate	Not classified	Category 2B	Classification not possible	Not classified
Butyl acetate	Not classified	Category 2B	Classification not possible	Classification not possible
Zinc	Not classified	Category 2B	Classification not possible	Not classified
Zinc oxide	Not classified	Not classified	Classification not possible	Not classified
Carbon black	Not classified	Not classified	Classification not possible	Not classified
Dimethyl ether	Classification not possible	Classification not possible	Not classified	Classification not possible

Substance name	Germ Cell Mutagenicity	Carcinogenicity	Reproductive toxicity
1-Methoxy-2-propyl acetate	Classification not possible	Classification not possible	Not classified
Butyl acetate	Classification not possible	Classification not possible	Classification not possible

Zinc	Classification not possible	Classification not possible	Classification not possible
Zinc oxide	Classification not possible	Classification not possible	Category 2
Carbon black	Classification not possible	Category 2	Not classified
Dimethyl ether	Classification not possible	Classification not possible	Classification not possible

Substance name	STOT (Single exposure)	STOT (Repeat exposure)	Aspiration hazard
1-Methoxy-2-propyl acetate	Category 3 (irritating to the respiratory tract, anesthetic effect)	Classification not possible	Classification not possible
Butyl acetate	Category 3 (irritating to the respiratory tract, anesthetic effect)	Classification not possible	Classification not possible
Zinc	Classification not possible	Classification not possible	Classification not possible
Zinc oxide	Category 1 (respiratory, systemic toxicity)	Classification not possible	Classification not possible
Carbon black	Classification not possible	Category 1 (respiratory)	Classification not possible
Dimethyl ether	Category 3 (anaesthetic effect)	Classification not possible	Classification not possible

## 1 2. Ecological information

General precautions: When leaking or disposing of the product, be careful to handle it because it may affect the environment.

The product may have adverse effect on environment.

Substance name	Hazardous to the aquatic environment (Acute)	Hazardous to the aquatic environment (Chronic)	Hazardous to the ozone layer
1-Methoxy-2-propyl acetate	Not classified	Not classified	Classification not possible
Butyl acetate	Category 3	Not classified	Classification not possible
Zinc	Category 1	Category 1	Classification not possible
Zinc oxide	Category 1	Category 1	Classification not possible
Carbon black	Not classified	Classification not possible	Classification not possible
Dimethyl ether	Not classified	Not classified	Classification not possible

### **Ecotoxicity:**

No data

### **Persistence and degradability:**

No rapid degradability (metal compound) «zinc»

No rapid degradability (degree of degradation by BOD: 0-1%) «Dimethyl ether»

Has rapid decomposition (degree of degradation by BOD: 98%) «Butyl acetate»

### **Bioaccumulation:**

Judged as having no or low bioaccumulation <Dimethyl ether>

May be low potential (log K<sub>ow</sub> = 1.78) «Butyl acetate»

### **Mobility in soil:**

No data

## 1 3. Disposal considerations

### **[Residual Waste, Contamination Containers and Packaging]**

In the case of disposal, the relevant laws and regulations and the standards of local governments shall be complied with. Waste including residue and container should be disposed by licensed industrial waste disposer after the consignment contract. Wash water used for cleansing containers and equipment must not be released into environment. For other wastage arouse in effluent processing or incineration, dispose of them in accordance with the law or entrust it. Dispose of the empty container after the rest of paint completely removed. It is recommended to recycle empty containers and packaging. When there is a possibility of generating toxic gases such as dioxin, enter into a contract with a licensed industrial waste disposal company and dispose of it.

Dispose of the empty container after the rest of paint completely removed. Empty container should be disposed of by industrial

waste disposal contractor after the consignment contract.

Keep away source of flame and do not inhale mist during outgassing. Caution should be exercised with respect to the inhalation of fire and mist, etc., when releasing the gas (until the injection sound is no longer generated).

#### 1 4. Transport information

UN Number: 1950 Proper shipping name: Aerosol Hazard class :2.1 PG: —

##### **Special safeguards for transport or means of transport:**

Follow the instructions in the Handling and Storage Precautions section.

Check that there is no leaking in the container, and load.

Prevent collapse of the container so that there is no falling or damage.

##### **[Regulations]**

##### **Land transport:**

Follow the transport methods stipulated in the Fire Service Law and the Industrial Safety and Health Law, if applicable.

##### **Maritime transport:**

In accordance with the Ship Safety Law.

##### **Air transport:**

In accordance with the provisions of the Aeronautical Law.

##### **Other:**

When transporting, keep the container at 40°C or below and be careful not to fall, drop, or damage.

#### 1 5. Regulatory information

##### **Classification and labeling in accordance with Labor Safety and Health Act:**

See Section 2

##### **Other regulation for foreign countries:**

Regulatory information with regards to this product in your country or region should be examined on your own responsibility.

#### 1 6. Other information

##### **References:**

- 1) GHS Classification Guidance for Enterprises.
- 2) SDS from manufacturers of raw materials.
- 3) Roval's own data.

The information herein is given in good faith, but does not make any warranty, express or implied.

The information contained herein is, to the best of Roval's knowledge and belief, accurate and reliable as of the data issued. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We reserve the right to revise SDS periodically as new information becomes available.