

Safety Data Sheet

1. Products and company identification

Product name: TEISHU CLEANER
Recommended use: Degreasing
Supplier: Roval Corporation
 6-41-1, Ikuno, Katano
 Osaka, 5760054, Japan
 +81-72-892-7791
Emergency phone number: +81-72-892-9955
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2. Hazards identification

PHYSICAL HAZARDS: Flammable Liquid Category 3

HEALTH HAZARDS:

TOST: Single Exposure: Not classified
 Repeated Exposure: Not classified

*Item without description of classification means “classification not possible” or “not classified”.

Hazard Symbols:



Signal Word: WARNING

Hazard Statement:

-Flammable liquid and vapor

Precautionary Statements:

[PREVENTION]

- Keep away from heat/sparks/open flames/hot surfaces – No smoking
- Keep container tightly closed.
- Ground container and receiving equipment.
- Use explosion-proof electrical/ventilating/light/equipment
- Use anti-spark tools
- Take precautionary measures against static discharge
- Wear protective gloves/protective clothing/eye protection/face protection

[FIRST AID]

- IF ON SKIN or HAIR: Take off contaminated clothing. Rinse skin/hair with water/shower.
- IF ON FIRE: Use carbon dioxide, foam, or powder extinguisher.

[STORAGE]

-Store in a cool, well ventilated place.

[DISPOSAL]

-Follow the regulations of your country when disposing of the container.

3. Composition/information on ingredients

General product description: Mixture

Chemical Identity	CAS Number	% Weigh
Petroleum hydrocarbon	---	100

4. First-aid measures

Inhalation: In case of being sick after inhalation of vapor or gas, remove a victim to fresh air at comfortable posture for breathing. If the symptom persists, get medical attention.

Skin contact: Wipe off accretion quickly. Wash the affected area with plenty of water with mild soap. Do not use solvent or thinner. If apparent condition changes or irritation is continued, refer to medical attention.

Eye contact: Gently rinse the affected eyes with clean water for at least 15 minutes lifting upper and lower eyelids occasionally. Remove contact lenses if present and easy to do. Get immediate medical attention.

Ingestion: Keep rest and get medical attention immediately. Do not let swallow vomit. Do not induce vomiting without medical instruction.

5. Firefighting measures

Extinguishing Media: Carbon dioxide, form, powder, dry sand, steam reinforced liquid
Water or stick reinforced liquid must NOT be used for extinction.

Special protective equipment and precaution for fire fighters:

Remove combustible materials if possible. Use specified extinguishing media. Cool closed containers which may be exposed to heat. Extinguish from windward side.

6. Accidental release measures

Personal precautions:

Use the necessary personal protective equipment (gloves, masks, aprons, and goggles) when handling. Keep ventilating inside. Handle in windward side outside. Keep away any person who is not concerned. Remove all the combustible materials and source of heat/ignition. Prepare extinguishing media for accidental fire.

Environmental precautions:

Be careful not to affect environment by releasing the product to waterway.

Equipment and method for containment and cleaning-up:

Contain the leakage into closed container and store in a safe place. Dispose of accretion or waste in accordance with local regulation. Recover the leakage with equipment which do not spark by impact or static discharge.

7. Handling and Storage

[Handling]

Handle in a well ventilated area. Keep container closed when storage. Do not use devices generate fire, spark, or high-heat. Ground all the equipment and use explosion-proof electronic devices. Used waste clothes, paint dust, and spray dust should be soaked in water. Prepare ventilating and personal protective equipment when handing this product in closed area. Wear protective equipment to avoid contact of the product with skin, mucosal membrane, and clothes. Wash hands and face completely after the handling and do not bring contaminated equipment into rest stations.

[Storage]

Avoid direct sunshine. Store in a dry, well-ventilated area. Keep the container in locked-up place. Keep containers away from fire/flare. Keep out of the reach of children.

8. Exposure controls/ Personal protection

Control parameters:

Chemical Identity	ACGIH TLV (2011)
Petroleum hydrocarbon	N/A

Equipment measure:

Use explosion-proof equipment and ventilating equipment. Earth when using transporting, scooping, or agitating equipment. High-heat or source of ignition must not be put near the handling place.

Use auto-painting equipment or local ventilating equipment to avoid direct contact of workers with the product in closed place. Prepare the equipment which can ventilate enough at the bottom in case of the operation inside of tanks.

Personal protection measures:

Respiratory protection: Wear protective mask for organic gas. Use ventilating mask in closed place.

Hand protection: Protective gloves for solvent or chemicals.

Eye protection: Wear protective goggles.

Skin and body protection: Wear protective clothes for chemicals to avoid direct contact.

9. Physical and Chemical Properties

Physical State:	Liquid	Color:	Clear
Odor:	Smells like solvent.	Density (g/ml):	0.77
Flash Point:	31°C	Explosion Limits(vol%):	LEL 1.0 UEL 7.0
Vapor Pressure:	1 kPa or less	Auto-ignition Temp:	200°C
Boiling Point:	169~172°C		

10. Stability and Reactivity

Stability:	Stable under normal condition and anticipated storage.
Conditions to avoid:	Heat, open fire and sparks. Forming of mixture with atmosphere within flammable limit.
Possibility of Hazardous Reactions:	May react with acid or alkaline substances.
Hazardous decomposition Products:	Generate carbon monoxide and carbon dioxide by heating. Generate stimulant gas.

11. Toxicological information

[ACUTE TOXICITY]

Material	Oral	Category	Dermal	Category
Petroleum hydrocarbon	Classification not possible		Classification not possible	

Material	Vapor	Category	Dust/Mist	Category
Petroleum hydrocarbon	Classification not possible		Classification not possible	

Material	Skin Corrosion/Irritation	Eye damage/irritation	Respiratory sensitization	Skin sensitization
Petroleum hydrocarbon	Classification not possible	Classification not possible	Classification not possible	Classification not possible

Material	Germ cell mutagenicity	Carcinogenicity	Reproductive toxicity
Petroleum hydrocarbon	Classification not possible	Classification not possible	Classification not possible

Material	TOST (Single)	TOST (Chronic)	Aspiration hazard
Petroleum hydrocarbon	Classification not possible	Classification not possible	Classification not possible

12. Ecological Information

General Precaution: Be careful not to spill or leak product and wash water into river and water drain. The product may have adverse effect on environment.

Ecological Toxicity: Acute harmful effect on aqueous milieu.

Material	Acute Aquatic Toxicity	Chronic Aquatic Toxicity	Hazard to Ozone
Petroleum hydrocarbon	Classification not possible	Classification not possible	Classification not possible

Persistence and Degradative: N/A

Bioaccumulation potential: N/A

13. Disposal considerations

[Residual Wastage]

Follow the local regulation. 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. Disposal of the spray can must be done after making sure it is empty and no gas pressure inside.

The product, its residue, and incinerated ash are specially-controlled industrial wastes, which must be disposed of by a licensed industrial waste disposer.

14. **Transport information**

[Regulation] UN No.: 1263 UN Class: 3 (Flammable liquid) PG: III

General: Read sections concerning handling and storage. Confirm that there is no leakage and load the products without rolling, falling, or damage. Avoid load collapse.

Land: Follow local regulation, such as Fire Defense Law, Industrial Safety and Health Act, or Poisonous Material Act. Transporter must follow the precaution on the product labels.

Sea: Follow local regulations, such as Ship Safety Act or Act for the Prevention of Marine Pollution and Maritime Disasters.

Air: Follow local regulations, such as Aviation Law.

Other: Keep the container under the temperature less than 40°C. Be careful not to roll, fall, or damage.

Safety measure: Read the section regarding handling and storage. Confirm that there is no leakage and load the products without rolling, falling, or damage. Avoid load collapse.

15. **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 preparation in your country or region should be examined by your own responsibility.

16. **Other Information**

References:

- 1) GHS Classification Guidance for Enterprises. (United Nations 2009)
- 2) SDS from manufacturers of raw materials
- 3) Roval's own data

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

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.