

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product Name:** Roller Cleaner F1(Low emission V.O.C)**Product Code:** None**Company Name:** TAIHO KOHZAI CO.,LTD**Address:** 2-8 Shibaura 4 chome,Minato-ku, Tokyo 108-0023 JAPAN**Telephone Number:** Tel:03-6414-5604 Fax:03-6414-5624**Use of the product:** Cleaner**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS****Ingredient(s):**

Chemical Name / Generic Name	CAS#	EC#	Wt%	EU symbol	EU R-Phrase	USA OSHA PEL	ACGIH TLV	EU ILV	DFG MAK
Ion-exchanged-Water			>99						
surfactant	577-11-7	Registered	<1	Not regulated	Not regulated	Not established	Not established	No information	No information

SECTION 3 HAZARDS IDENTIFICATION**EU Classification:** Not classified.**Emergency Overview:** May cause skin and eye irritation.**Potential Health Effects and Symptoms:****Inhalation:** No hazard in normal use.**Ingestion:** May cause nausea,vomiting.**Eye:** Causes irritation.(redness)**Skin:** May cause moderate irritation, defatting and dermatitis with prolonged or repeated exposure.**Chronic Effects:** Prolonged or repeated skin contact may cause defatting,dermatitis.**Medical Conditions Generally known
to be Aggravated by Exposure:**

No data available

SECTION 4 FIRST AID MEASURES**First Aid Measures:****Inhalation:** No hazard in normal use.If breathing is difficult,give oxygen.remove to fresh air.**Ingestion:** If swallowed,give to a victim several glass of water.if cough or other symptoms developed,
get medical attention.Never give anything by mouth to an unconscious person.**Eye:** In case of contact,flush eyes with large amounts of running water for at least 15 minutes.Hold
eyelids apart to ensure rinsing of the entire surface of the eye and lids with water.Get medical

attention.**Skin:**

Flush skin with plenty of water and wash well with water and soap. Remove contaminated clothing and shoes. Wash clothing before reuse. Obtain medical attention if irritation occurs.

SECTION 5 FIRE FIGHTING MEASURES

Fire Fighting Measures:**Extinguishing Media:** Use carbon dioxide,dry chemical or foam type extinguishing media.**Unsuitable
Extinguishing Media:** None**Special Fire
Fighting Procedures:** None**Unusual Fire and
Explosion Hazards:** None**Fire and Explosive Properties (See also Section 9):****Hazardous
Combustion Products:** CO,CO2,formaldehyde,various hydrocarbon fragments.**Other Properties:** None

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Eliminate all ignition sources. Control the source of the spill if it is safe to do so.**Environmental Precautions:** Absorb spill with sand or fuller's earth..Sweep up and place in an appropriate chemical waste container.Flush spill area with water.Observe all local,state and federal laws and regulations regarding disposal,spill,clean up,removal or discharge.**Method for Cleaning Up:** Dike all spills to prevent material from flowing into public and municipal waterways.

SECTION 7 HANDLING AND STORAGE

Handling: Eating drinking,smoking,and cosmetics should be prohibited in areas where the product is used or stored.
Before eating,hands and face should be washed to remove residual contamination.**Storage:** Store in a cool,dry areas.Keep away from heat,sparks and open flame.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: Not required.**Engineering Controls:** Not required**Personal Protection Equipment(s):****Respiratory Protection:** **Not required** No hazard in normal use.**Eye/Face Protection:** ☐Required Eye contact should be avoided through the use of chemical safety glasses,goggles or a face shield selected

Skin Protection:☐ **Required**

with regard for use condition exposure potential.

Skin contact should be minimized through the use of gloves and suitable long-sleeved clothing selected with regard for use condition exposure potential.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid**Odor:** Slight odor**pH:** 4.9**Boiling Point/Range(°C):** 100°C**Melting Point/Range(°C):** No data available**Decomposition Temperature(°C):** No data available**Flash Point(°C):** >100°C**Flammable (Explosive) Limits:** Not regulated.**Autoignition Temperature(°C):** No data available**Flammability:** No t Flammable**Explosive Properties:** No data available**Oxidizing Properties:** None**Vapor Pressure:** No data available**Vapor Density:** No data available**Density/Specific Gravity:** 1.0**Water Solubility:** Soluble**Fat Solubility:** No data available**Partition Coefficient
(n-Octanol/Water):** No data available**Percent Volatile(%):** 99wt%**Evaporation Rate:** No data available**Viscosity(m Pa s):** 2.0mPa S

SECTION 10 STABILITY AND REACTIVITY

Stability: ☐ **Stable****Conditions to Avoid:** High temperature, high pressure, protect from sunlight.**Materials to Avoid:** Avoid contact with strong oxidizing agents such as chlorates, nitrates, peroxides, etc.**Hazardous Decomposition****Products:** CO, CO₂, formaldehyde, and various hydrocarbon fragments.**Hazardous Polymerization:** ☐ **Will Not Occur**

Conditions to Avoid: None

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation: No data available.

Ingestion: LD50 rat ;1900mg/kg (as surfactant)

Eye: Causes irritation.(redness)

Skin: May cause slight irritation

Sensitization: No data available

Mutagenicity: No data available

Reproductive Toxicity: None

Carcinogenicity: None

Others: None

SECTION 12 ECOLOGICAL INFORMATION

Mobility: No data available.

Persistence/Degradability: No data available.

Bioaccumulation: No data available.

Ecotoxicity: No data available

Toxicity to algae

Other Adverse Effects: No data available

SECTION 13 DISPOSAL CONSIDERATION

Method of Disposal: Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with local, state and federal laws and regulations.

SECTION 14 TRANSPORT INFORMATION

UN#: Not regulated

UN Shipping Name: Not regulated

UN Classification: None

UN Packing Group: None

Marine Pollutant: None

Special Precautions: None

SECTION 15 REGULATORY INFORMATION

EU Information:**Information on the Label:**

Symbol & Indication: None.

R-Phrase: None.

S-Phrase: S2:Keep out of the children.

Dangerous Component(s): None

Special Precautions under

67/548/EEC Article 8 and 13

or 1999/45/EC Annex V :

Specific Provisions in Relation to Protection of Man or the Environment:

76/769/EEC: None

(EC)2037/2000: None

(EC)304/2003: None

Others: None

USA Information:**Information on the Label:**

Signal Word: None

Hazard warning: None

Safety Advice: None

Hazardous Component(s): None

SARA TitleIII, 313:

Chemical Name:

Wt%:

None

California Proposition 65:

Chemical Name:

Wt%:

None

SECTION 16 OTHER INFORMATION

Other Information:

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, Information and belief at the at the date of its publication. The information given is designed only as a guidance for safe handling ,use,processing ,stroge ,transportation,disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not to be valid for such material used in combination with any other materials or in any process ,unless specified in the text.

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Revised Date:

Literature Reference:

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Manufacturer's material safety data sheet
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Abbreviations:

EU: European Union

OSHA PEL: PEL (Permissible Exposure Limit) under Occupational Safety and Health Administration

ACGIH TLV: TLV (Threshold Limit Value) under American Conference of Governmental Industrial Hygienists

EU ILV: Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC and 2000/39/EC

DFG MAK: MAK (Maximale Arbeitsplatz-Konzentration) under Deutsche Forschungsgemeinschaft