

## SAFETY DATA SHEET

Section 1	Product and Company Identification
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Product Name	TODA Flushing Oil
Recommended Use	Lubricant
Company Identification	
Supplier	TODA OIL JAPAN Buddhamonthon Sai 2 Rd., Taweewattana Bangkok 10170
Health Emergency Telephone	+66-80-515-2424
Supplier General Contact	+66-80-515-2424

Section 2	Hazards Identification
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Human health hazards	No specific hazards under normal use conditions. Exposure limit for oil mist applies. Prolonged or repeated exposure may give rise to dermatitis.
Safety hazards	Not classified as flammable, but will burn.
Environmental hazards	Not readily biodegradable. Expected to have a high potential to bioaccumulate.
Other information	Not classified as dangerous for supply or conveyance.

Section 3	Composition / Information On Ingredients
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Name	CAS Number	%
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	≥80
Additive Ingredient		≥1

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4	First Aid Measures
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#### 4.1. Description of first aid measures

First-aid measures general	If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	Wash skin with plenty of water.
First-aid measures after eye contact	Rinse eyes with water as a precaution.

**First-aid measures after ingestion** Call a poison center or a doctor if you feel unwell. Do not induce vomiting.

**4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms/effects** No additional information available. Not expected to present a significant hazard under anticipated conditions of normal use.

**Symptoms/effects after ingestion** May result in aspiration into the lungs, causing chemical pneumonia.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

<b>Section 5 Firefighting measures</b>	
<b>Extinguishing Media</b>	Small fire - Carbon dioxide or dry chemical  Large fire - Dry chemical, foam or water fog.
<b>Hazards</b>	Mainly heat and oxygen depletion Fire-fighters must use self-contained apparatus and protective clothing.

<b>Section 6 Accidental release measures</b>	
<b>Personal protection</b>	Oil resistant boots, gloves and protective clothing. Self-contained breathing equipment and eye protection if oil mists or fumes are present due to overheating of product.
<b>Small spillage</b>	Collect by mopping with cotton waste or other available absorbents.
<b>Large spillage</b>	Recover by pumps or vacuum and finish by absorption using dry sand, earth, lime and other mineral absorbents. If necessary, obtain specialist assistance.
<b>Environmental</b>	Prevent pollution of drainage systems, waterways, streams, rivers or dams.
<b>Precautions</b>	Dike spills with absorbents.

<b>Section 7 Handling and storage</b>	
<b>Handling</b>	Use PVC, nitrile or other resistant gloves and protective clothing in cases where frequent or prolonged skin contact cannot be avoided. Where eye contact is a potential hazard, goggles or face shields should be worn.
<b>Handling temperature</b>	Avoid temperatures exceeding 60 °C.
<b>Storage</b>	Avoid temperatures above 60 °C and strong oxidizing agents.
<b>Storage conditions</b>	Ambient temperatures and atmospheric pressures normally encountered within buildings or roofed-over storage areas are acceptable. Avoid entering areas where mists or vapours have built up as a result of

abnormal temperatures or pressures without the proper breathing equipment and protective clothing.

<b>Section 8</b>		<b>Exposure controls/personal protection</b>	
Engineering measures		Carry out a health risk assessment to determine safe operating procedures to avoid contact and exposure. Apply engineering controls appropriate to the job.	
Eye protection		Wear chemical safety glasses or face shield if splashes are likely to occur.	
Hand protection		PVC or nitrile rubber gloves.	
Hygiene measures		Wash hands before eating, drinking, smoking and using the toilet.	
Respiratory Protection		Not normally required. If oil mist cannot be controlled, a respirator fitted with an organic vapor cartridge combined with a particulate pre-filter should be used	
<b>Section 9</b>		<b>Physical and chemical properties</b>	
Physical state		Liquid.	
Odor		Mild	
Color		Yellow	
Heat of combustion		Not available.	
Density		870 kg/m <sup>3</sup> (0.87 g/cm <sup>3</sup> ) at 15°C	
Solubility		Insoluble in water.	
Viscosity, Kinematic		30 mm <sup>2</sup> /s (30 cst) at 40°C	
<b>Section 10</b>		<b>Stability and reactivity</b>	
Conditions to Avoid		Temperatures in excess of 100 °C and exposure to strongly oxidizing conditions	
Incompatible materials		Oxidizing agents, acids, halogens and halogenated compounds	
Hazardous decomposition products		Traces of aldehydes, phenols, acrylates, hydrogen and other sulphides, alkyl mercaptans and oxides of carbon, calcium, sulphur, phosphorus, zinc and nitrogen liberated during decomposition can reach hazardous concentrations in poorly ventilated areas.	
<b>Section 11</b>		<b>Toxicological information</b>	
Basis for assessment		Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar product.	

Acute toxicity	Oral- LD50 expected to be above 15 g/kg Dermal- LD50 expected to be above 2000 mg/kg Inhalation- Not considered to be an inhalation hazard under normal conditions of use.
Eye irritation	Expects to be slightly irritant.
Skin irritation	Expects to be slightly irritant.
Respiratory irritation	If mists are inhaled, slight irritation of the respiratory tract may occur.
Skin sensitization	Not expected to be a skin sensitizer.

<b>Section 12</b>	<b>Ecological information</b>
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Ecotoxicity	No testing has been performed by the manufacturer.
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<b>Section 13</b>	<b>Disposal considerations</b>
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Waste information	Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.
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<b>Section 14</b>	<b>Transport information</b>
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Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO)

<b>Section 15</b>	<b>Regulatory information</b>
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Regulatory information: N/A

<b>Section 16</b>	<b>Other information</b>
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The information given in this document is based on knowledge at the date of preparation and is offered in good faith. Responsibility cannot be accepted for error or omission therein, or damage that may result.