

Safety Data Sheet

Prepared in accordance with Appendix II of the REACH Regulation EC 1907/2006, Regulation (EC) 1272/2008 (CLP) and Regulation (EC) 453/2010.

1. Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier:

Product name: NEW DEFRIX OIL No.1

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Sewing machine oil. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.

1.3. Details of the supplier of the safety data sheet:

Company: Sanwa Kasei Kogyo Co. Ltd.

Address: Toshin24biluding 2-20-5, Minamisaiwai, Nishi-ku, Yokohama 220-0005, Japan.

TEL: +81-45-412-3161

FAX: +81-45-412-3160

1.4 Emergency telephone number:

Emergency telephone number: +81-45-412-3161

Intended use: Sewing machine oil.

Further information: Sanwa Kasei Kogyo Co. Ltd.

2. Hazards identification

2.1. Classification of the substance or mixture:

Main hazards: Aspiration hazard-1, Hazardous to the aquatic environment, acute hazard-3.

2.2. Label elements

Hazard Pictograms:



Signal Word: Danger

Hazard Statements:

H304: May be fatal if swallowed and enters airways.

Precautionary Statements:

P273: Avoid release to the environment.

Response Precautionary Statements:

P301+P310 :IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331: Do NOT induce vomiting.

Storage precautionary Statements :

P405: Store locked up.

Disposal precautionary Statements :

P501: Dispose of contents/container according to relevant local and national regulations.

2.3 Other hazards: not found.

3. Composition/information on ingredients

Product description: substance (); preparation/mixture (√)

Ingredients/Components	CAS No.	EC No.	EC No. 1272/2008 Classification		% by weight
			Hazard Class and Category Code (s)	Hazard statement Code (s)	
Highly refined mineral oil (DMSO-extract <3% IP346)	64742-55-8	265-158-7	Not available*	H304	98.87%
Tricresyl phosphate (meta,para>99%)	1330-78-5	215-548-8	Not available	Not available	1.00%
2,6-di-tert-butyl-4-cresol	128-37-0	204-881-4	Not available	Aquatic acute 1 H400 Aquatic chronic 1 H410	0.10%
Alkyl esters of alkenyl succinic anhydride	Not available	Not available	Not available	Not available	0.03%

*NOTE: The classification as carcinogen need not apply if it can be shown that substance contains less than 3% DMSO extract as measured by IP346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions- Dimethyl sulphoxide extraction refractive index method'. Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

The producer of "Mineral Oil" declares that it contains less than 3% DMSO extractable material by IP346.

4. First aid measures

4.1. Description of first aid measures:

In the event of splashes or contact with eyes: Remove contact lenses if present and easy to do, continue rinsing. If irritation persists, seek medical care.

In the event of splashes or contact with skin: No special measures as there is no hazard for normal contact. Wash with water and soap when necessary.

In the event of exposure by inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.

In the event of swallowing: Rinse mouth. Do not induce vomiting without professional instruction. Get medical attention immediately if discomfort occurs.

4.2. Most important symptoms/effects, acute and delayed: Acute effect: May be fatal if swallowed and enters airways. Delayed effect: May cause cancer.

4.3. Indication of any immediate medical attention and special treatment needed: Treat according to symptoms.

5. Fire-fighting measures

5.1. Extinguishing Media: This product is not flammable, as for a fire caused by surrounding ignition sources, choose proper extinguishers according to fire types. Seek advice from local fire-fighting authority.

Unsuitable Extinguishing Media: Discharging cylinder shape water from fire hose may lead to spread fire to the surroundings.

5.2. Special hazards arising from the substance or mixture: Not found.

5.3. Advice for firefighters:

For initial fire, use dry powder, carbon dioxide, etc.

For large fire, it is effective to use fire foam, etc. to shut off air supply.

Fire-fighters must wear self-contained breathing apparatus and full protective equipment (e.g. fire-retardant clothing).

Deny unnecessary entry to the place around the fire.

Remove containers from fire area if it can be done without risk.

Cool surrounding facilities, etc. with water spray.

Extinguish fire from upwind, and the fire extinguishing method should be appropriate to the situation in the surroundings.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures: Use proper personal protective equipment as indicated in Section 8.

6.2. Environmental Precautions: Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

6.3. Methods and materials for containment and cleaning up:

Small Spill:

Mop up or absorb with an inert dry material (e.g. sand, dry lime) and place in an appropriately labeled waste disposal container.

Large Spill:

Isolate contaminated area and set up a warning board. The persons handling emergency are recommended wearing protective clothing. Do NOT touch spilled material. Keep away from heat and sources of ignition.

Build up dike or dig pit for collection. Spray fog water to cool down and dilute vapor. Dilute the spilled liquid till it is not combustible. Protect the working staff. Collect the spilled material with explosion-proof pump into an appropriate container and transport the waste to the disposal place.

6.4. Reference to other sections:

For more information, please refer to Section 8 and Section 13.

7. Handling and storage

7.1. Precautions for safe handling:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

7.2. Conditions for safe storage, including any in compatibilities: Store it in a well-ventilated, cool and dry store room. Avoid long-time direct contact of sunlight. Store locked up. The storeroom should be equipped with proper facilities for accidental fire.

7.3. Specific end use(s): Sewing machine oil.

8. Exposure controls/personal protection

8.1. Control parameters: No data available

Ingredients	COSHH Workplace exposure limits	OSHA PEL-TWA	ACGIH TLV-TWA
Highly refined mineral oil(DMSO-extract <3% IP346) (CAS: 64742-55-8)	Not available	Not available	Not available
Tricresyl phosphate (meta,para>99%) (CAS: 1330-78-5)	Not available	Not available	Not available
2,6-di-tert-butyl-4-cresol (CAS: 128-37-0)	10mg/m ³	Not available	Not available

8.2. Exposure controls:

Use this product only in closed systems fully or with local exhaust ventilation.

Install washer eyes and safety showers near to the handling and storage area.

Shows the location of these facilities, with a clear and prominent warning board.

8.2.1. Individual protection measures:

Protection of Hands:

Wear impermeable rubber gloves. (e. g. Rubber gloves).



Protection of Eyes:

Wear safety glasses when vapour or fume may be generated during processing or working for a long time.



Respiratory Protection:

Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms occur.



Protection of Body:

Recommend wearing general working clothing.



General protective and hygienic measures:

- Keep away from foodstuffs, beverages and feed.
- Wash hands before breaks and at the end of work.
- Avoid contact with eyes and broken skin.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information	
Form	Liquid
Colour	Colorless
Odour	Slight petroleum odor
Ph value	No data available
Boiling range	No data available
Melting point/Melting range	No data available
Flash point	170°C
Flammable/Explosive Limits-Lower Vol %	Not applicable
Flammable/Explosive Limits-Upper Vol %	Not applicable
Relative density	No data available
Relative vapour density	No data available
Vapour pressure	No data available
Solubility	No data available
n-octanol/Water partition coefficient	No data available
Self-igniting temperature	No data available
Decomposition temperature	No data available
Odour threshold value	No data available
Evaporation rate	No data available
Flammability (solid, gas, etc.)	This product is not classified as flammable liquid.
Viscosity	7.35 mm ² /s (40°C)

9.2. Other information: Not available.

10. Stability and reactivity

10.1. Reactivity: No information available.

10.2. Chemical stability: This product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3. Possibility of hazardous reactions: No information available.

10.4. Conditions to avoid: Long time exposure to direct sunlight or rain.

10.5. Incompatible materials: No special requirement for this product.

10.6. Hazardous decomposition products: No hazardous decomposition products are found.

11. Toxicological information

11.1. Information on toxicological effects: The toxicity data of this product has not been determined by testing or research, but to our best knowledge and reference, this product is not toxic. The toxicity data shown below is for reference only.

Ingredients	CAS number	LD 50/ LC 50 (Median lethal dose)
Highly refined mineral oil (DMSO-extract <3% IP346) (CAS: 64742-55-8)	64742-55-8	Acute toxicity (Oral) LD ₅₀ >5,000mg/kg (rat) Data source: ECHA: Registered substances Acute toxicity (Dermal) LD ₅₀ >2,000mg/kg (rabbit) Data source: ECHA: Registered substances
Tricresyl phosphate (meta,para>99%) (CAS: 1330-78-5)	1330-78-5	Acute toxicity (Oral) LD ₅₀ >20,000mg/kg (rat) Data source: ECHA: Registered substances Acute toxicity (Dermal) LD ₅₀ : 37,000mg/kg (rabbit) Data source: ECHA: Registered substances Acute toxicity (Inhalation, Vapours) LD ₅₀ : 11.1mg/L (rat) Data source: ECHA: Registered substances
2,6-di-tert-butyl-4-cresol (CAS: 128-37-0)	128-37-0	Acute toxicity (oral) LD ₅₀ >6,000mg/kg (rat) Data sources: ECHA: Registered substances Acute toxicity (dermal) LD ₅₀ >2,000mg/kg (rat) Data sources: ECHA: Registered substances

Serious eye damage/eye irritation: No classification for this product.

Skin corrosion/irritation: No classification for this product.

Respiratory /Skin sensitizer: No classification for this product.

Germ cell mutagenicity: No classification for this product.

Carcinogenicity: The classification as carcinogen need not apply if it can be shown that substance contains less than 3% DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances in Annex 1.

The producer of "Mineral Oil" declares that it contains less than 3% DMSO extractable material by IP 346.

Reproductive Toxicity: No classification for this product.

STOT-single exposure: No classification for this product.

STOT-repeated exposure: No classification for this product.

Aspiration hazard: A kinematic viscosity of 20.5mm²/s or less, measured at 40°C, then the entire mixture is classification in Category 1.

Effects on or via lactation: No classification for this product.

12. Ecological information

12.1. Toxicity: No data available for the whole product. The data shown below is of each ingredient.

Highly refined mineral oil (DMSO-extract <3% IP346) (CAS: 64742-55-8):

96h-LC₅₀>100mg/L fish

Data sources: ECHA: Registered substances

Tricresyl phosphate (meta,para>99%) (CAS: 1330-78-5):

96h-LC₅₀: 0.6mg/L fish

48h-EC₅₀: 0.146mg/L crustaceans

Data sources: ECHA: Registered substances

2,6-di-tert-butyl-4-cresol (CAS: 128-37-0):

96h-LC₅₀: 0.199mg/L fish

48h-EC₅₀: 0.48mg/L crustaceans

96h-EC₅₀: 0.758mg/L fish

Data sources: ECHA: Registered substances

12.2. Persistence and Degradability: No relevant data for the product.

12.3. Bioaccumulative Potential: No relevant data for the product.

12.4. Mobility in Soil: As it is liquid, it can move in soil.

12.5. Results of PBT and vPvB Assessment: No information available.

12.6. Other adverse effects: Not found.

13. Disposal considerations

13.1. Waste treatment methods:

Minimize the hazard of waste by the methods of neutralization and stabilization.

Any disposal practice must be in compliance with country, local, state, and federal laws and regulations.

After contents are completely removed, dispose of its container at hazardous or special waste collection point.

Paste a label on the container indicating the possible hazards of the waste.

14. Transport Information

ADR and RID / Air-Transportation- IATA/ICAO/Sea-Transportation-IMO/IMDG.:

Proper Shipping Name: Not regulated

Hazard Class: Not applicable

UN Code: Not applicable

Packing Group: Not applicable

Assigned Pictogram: Not applicable

Marine Pollutant (Yes/No): No

EMS NO.: Not applicable

Special precautions for user:

Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for fire-fighting and accidental release handling; do NOT transport this product together with incompatible substances; stay away from fire and areas of high temperature during stopovers.

Transport in bulk according to Annex II of MARPOL 73/78 and IBC code: Not applicable

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate List of Substances of very high concern (SVHC) according to ECHA: Not listed.

REACH Regulation Annex XVII Regulation List: Not listed.

REACH Regulation Annex XIV Authorization List: Not listed.

Germany – WGK: WGK 1.

15.2. Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

Other relevant regulations:

Sara:

Section 355 (extremely hazardous substances): Not listed.

SARA 313: Not listed.

Toxic Substances Control Act (TSCA):

Highly refined mineral oil (DMSO-extract <3% IP346) (CAS: 64742-55-8), Tricresyl phosphate (meta,para>99%) (CAS: 1330-78-5), 2,6-di-tert-butyl-4-cresol (CAS: 128-37-0) are listed in the TSCA inventory list.

Clean Water Act:

None of the ingredients are listed as Hazardous Substances under the CWA.

None of the ingredients are listed as Priority Pollutants under the CWA.

Carcinogenicity categories: Not listed by EPA, NTP, ACGIH and IARC.

16. Other information

DISCLAIMER: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

References:

EC No. 1907/2006 (REACH)

EC No. 1272/2008 (CLP)

EC No. 453/2010

Full description of some acronyms:

CAS-Chemical Abstracts Service

EINECS-European Inventory of Existing Commercial Chemical Substances

IMO-International Maritime Organization

IMDG-International Maritime Dangerous Goods

IATA-International Air Transport Association

ICAO-International Civil Aviation Organization

TSCA-Toxic Substance Control Act

OSHA-Occupational Safety and Health Administration

ACGIH-American Conference of Governmental Industrial Hygienists

DFGOT-Occupational Toxicants Critical Data Evaluation for MAK Values and Classification of Carcinogens Vol. 1-20.

RTECS- Registry of Toxic Effects of Chemical Substances NIOSH CD-ROM

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*****The End*****