



INDUSTRIAL LUBRICANTS
AND SERVICES LIMITED

Issue Date: 20/02/2019
Print Date: 20/02/2019
Initial Date: 1/04/2018
S.GHS.NZL.EN

ILS TF FLUID REGEN

Industrial Lubricants & Services Ltd

Safety Data Sheet according to HSNO Regulations

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Name	ILS TF FLUID REGEN
Synonyms	Not Available
Other means of identification	Not Available

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Use according to manufacturer's directions. Concentrate used for cleaning of markings on roads. Product is determined to be biodegradable (Manufacturer).
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Details of the supplier of the safety data sheet

Registered company name	Industrial Lubricants & Services Ltd
Address	P.O Box 259 347, Botany, Manukau 2163
Telephone	0800 10 40 11
Fax	0800 10 40 15
Website	www.ils.co.nz
Email	orders@ils.co.nz

Emergency Telephone number

Association / Organisation	Industrial Lubricants & Services Ltd
Emergency telephone numbers	0800 10 40 17
Other Emergency telephone numbers	+64 9 274 0159 (outside of New Zealand)

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Hazard Classification	<p>Classification: Class 9 Miscellaneous Dangerous Goods UN3082 Hazchem 3Z Eco Toxic</p> <ul style="list-style-type: none"> · Primary Entry Routes: Skin · Inhalation: Inhalation of vapours or mist may be irritating to respiratory passages. Target Organ for mineral oil mist is lungs. Prolonged exposure may result in dizziness and nausea. · Skin: Short term contact with skin is unlikely to cause any problems; excessive or prolonged and repeated contact and poor hygiene conditions may result in dryness, dermatitis, erythema, oil acne, cracking and defatting of the skin. · Eye: Eye contact may result in slight irritation and redness. · Ingestion: May result in nausea or stomach discomfort. · Carcinogenicity: Based on OSHA 1910.1200 and IARC study requirements, this product does not require labeling. · Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346. <p>Other Effects</p> <ul style="list-style-type: none"> · Medical Conditions Aggravated by Long-Term Exposure: Personnel with preexisting skin disorders should avoid contact with this product. · Eco Toxic Pollutant - to fish and plants. · Hazardous Classification 3Z UN 3082
Risk Phrase(s)	Not classified as hazardous

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

See selection below for composition of Mixtures

Mixtures

CAS No	Proportion	Name
64742-53-6	99.61%	Solvent-refined light naphthenic distillate
128-37-0	0.39%	2,6-Di-tert-butyl-p-cresol (DBPC)

SECTION 4 First Aid Measures

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Description of first aid measures

Eye Contact	Wash with water. If irritation or redness persists seek medical help
Skin Contact	Wash thoroughly with soap and water. Remove contaminated clothing. Reuse only after cleaning
Inhalation	Remove to fresh air. Assist breathing if necessary. Seek medical help.
Ingestion	If swallowed, observe for signs of stomach discomfort or nausea. If symptoms persist, seek medical help. Do not induce vomiting. medical attention.
First Aid Facilities	Eyewash and normal washroom facilities.
Advice to Doctor	If there is any suspicion of aspiration into the lungs obtain medical advice.

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SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Halon, dry chemical, foam, CO2 and water mist or fog. Water may be used to cool below flash point.
Extinguishing Methods Not Used	Do not use forced stream as this could cause fire to spread.
Exposure Hazard (Combustion Products)	Fumes, smoke and carbon monoxide
Fire-Fighting Equipment	Fire fighting personnel should wear respiratory protection(positive pressure if available).
Fire-Fighting Instructions:	Use water to cool containers exposed to flames. Do not enter enclosed or a confined workspace without proper protective equipment

SECTION 6 ACCIDENTAL RELEASE MEASURES

Report spills/releases as required to appropriate authorities	<ul style="list-style-type: none"> · LAND SPILL: Shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping using explosion proof equipment or contain spilled liquid with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of absorbed residues as directed in Section 13. · WATER SPILL: Notify port and relevant authorities. Confine with booms if skimming equipment is available to recover the spill for later recycling or disposal. · Environmental precautions : Prevent spill from entering municipal sewers, water sources or low lying areas. Advise the relevant authorities if contaminations have occurred.
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SECTION 7 HANDLING AND STORAGE

Precautions for safe handling	<ul style="list-style-type: none"> · Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. · Empty oil containers can contain explosive vapours. Wash thoroughly after handling.
Work / Hygienic Practices:	<ul style="list-style-type: none"> · Wash hands with soap and water before eating, drinking, smoking or use of toilet. <p>Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Remove oil-soaked clothing and launder before reuse. Discard contaminated shoes and leather gloves facilities</p>
Storage Regulations	Product should be stored in clean, dry containers at ambient temperatures and it should remain stable with exception of slight colour stability loss unless it is contaminated.

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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits (OELs)

CAS No	Source	TWA	Value	Notations
64742-53-6	ACGIH TLV	LTEL STEL	5 mg/m ³ 10mg/m ³	Oil Mists

LTEL: Long Term Exposure Limits - Time Weight Average (TWA) over 8 hours.

STEL: Short Term Exposure Limits - Time Weight Average (TWA) over 15 Minutes

Environmental Exposure Controls	Adequate ventilation is required where excessive heating or agitation may occur to maintain concentration below exposure limits.
Respiratory Protection	Not Normally Needed. Respirator should be used in areas where vapour concentrations are excessive due to high temperatures or where oil misting occurs.
Eye/Face Protection	Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Skin Protection	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid	Upper Explosion Limit (UEL)	7 %(V)
Colour	Amber	Lower Explosion Limit (LEL)	0.9 %(V)
Odour	Mild	Vapour pressure	< 0.1 hPa
Solubility	Negligible	Density	0.879 g/cm ³ @ 20 °C
Boiling point/range	> 260 °C	Pour point	-31 °C
Flash Point	> 152 °C (ASTM D-93)	Viscosity, kinematic	12 mm ² /s @ 40 °C

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Extremes of temperature and direct sunlight. Heat and other sources of ignition.
Incompatible Materials	Avoid contact with strong oxidising agents.
Hazardous Decomposition Products	Fumes, smoke, carbon monoxide, sulphur products oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	Tests on similar materials show a low order of acute oral toxicity. (LD50: Greater than 2000 mg/kg).
Acute Inhalation Toxicity:	Low acute toxicity expected on inhalation
Skin Toxicity:	Practically non-toxic if absorbed. (LD50: greater than 5000 mg/kg)
Eye Irritation:	Minimal irritation on contact. Eye irritation slight or practically nonirritating based on similar products

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Skin Irritation:	May cause mild irritation with prolonged and repeated exposure
Sensitization:	Skin sensitization is indicated as non-sensitizing based on data from similar products

CMR Properties

Carcinogenicity:	Not considered a potential carcinogen based on IP346 DMSO of less than 3.0 wt%.
Mutagenicity:	This product is considered non-mutagenic and has negative potential for tumour development based on results from Modified Ames Assay, with Mutagenic Index of less than 1.0.

Similar products have not been listed in NTP reports, and are classified by IARC as having inadequate evidence of carcinogenicity. IARC indicates that based on preponderance of data highly refined mineral oils are not mutagenic either in vitro or in vivo. Severely hydrotreated naphthenic petroleum oils have not been found to be carcinogenic or potential carcinogens

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity	Available data indicate this product is not acutely toxic. 96 hr. acute static toxicity for Pimephales promelas (Fathead Minnow) LC50 mortality is greater than 30,000 mg/L. Other similar products have shown 48 hr EL50 for Daphniamagna greater than 1000 mg/L, and 96 hr IrL50 for Scenedesmus subspicatus (Alga) greater than 1000 mg/L.
Persistence / Degradability	Inherently biodegradable at a slow to moderate rate.
Biodegradability:	This product reaches less than 10% biodegradation in standard 28-day test and is not readily biodegradable in the environment.
Aquatic Release	Advise authorities if product has entered or may enter watercourses or sewer drains

SECTION 13 DISPOSAL CONSIDERATIONS

The product is suitable for processing by an approved recycling facility. Method is subject to user compliance with applicable laws and regulations and considerations of product characteristics at time of disposal.

SECTION 14 TRANSPORT INFORMATION

Transport Information	<ul style="list-style-type: none"> · Classified as Dangerous Goods for all transport Decemer 1 2017 · UN3082 3Z Enviromentally Hazardous Substance Liquid N.O.S · Transformer Oil, Eco toxic, Miscellaneous Dangerous Goods Class 9 · Sea IMDG / IMO (water) -Air ICAO / IATA(Air)
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SECTION 15 REGULATORY INFORMATION

HSNO Approval Number:	HSR002605
Group Standard:	Lubricant Group Standard 206

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Note: Product does not contain PCBs.

FIRST AID: Wash skin with soap and water. Flush eyes with water. If overcome by fumes or vapour, remove to fresh air. If ingested do not induce vomiting. If symptoms persist seek medical attention. Read and understand the MSDS before using this product

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a doctor as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury

SAFETY: Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures

Disclaimer:

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.