

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	Lucas Fuel Stabiliser
Product Use:	Fuel additive
Restriction of Use in NZ:	Refer to Section 15
 NZ Distributor:	 Logan Distribution Ltd 428 Rangitikei Street, Palmerston North 4410
Tel:	+64 6 280-1300
Emergency No:	0800 764 766 (National Poison Centre)
 Australian Distributor:	 Logan Distribution PTY LTD
Address:	25 Lambeck Drive, Tullamarine, VIC 3043
 Telephone:	 +61 3 8579-1361
Australian Emergency No	13 11 26 (National Poison Centre)
 Date of SDS Preparation:	 1 September 2022

Section 2. Hazards Identification

Australia:

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

New Zealand:

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Additives, Process Chemicals, and Raw Materials (Combustible) – HSR002490

Pictograms



Irritant Chronic

Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 4	H227	Combustible liquid.
Aspiration hazard Cat. 1	H304	May be fatal if swallowed and enters airways.
Specific target organ toxicity – repeated exposure Cat. 1	H372	Causes damage to respiratory system through prolonged or repeated exposure

specific target organ toxicity – single exposure Cat. 3 (respiratory tract irritation)	H335	May cause respiratory irritation.
specific target organ toxicity – single exposure Cat. 3 (narcotic effects)	H336	May cause drowsiness or dizziness.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P260	Do not breathe dust, fumes, gas, mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P370 + P378	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Distillates, petroleum, hydrotreated light	15 – 40%	64742-47-8
Solvent naphtha (petroleum), medium aliphatic	< 21%	64742-88-7
Alkyl phenol	< 6%	Proprietary
Non-hazardous	To bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

If on Skin Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.

If Swallowed Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: May cause gastrointestinal irritation. abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Inhalation: Coughing, wheezing, shortness of breath

Skin: Redness, itchiness

Eye: Redness, itchiness, lacrimation

Section 5. Fire Fighting Measures

Hazard Type	Combustible Liquid
Hazards from combustion products	Oxides of carbon In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Suitable Extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus for firefighting if necessary
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

Personal precautions:

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Spill and Disposal procedures:

Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water.

LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

Section 7. Handling and Storage

Precautions for Handling:

- Keep out of reach of children.
- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Do not breathe dust, fumes, gas, mist, vapours or spray.

- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store locked up.
- Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Eliminate all ignition sources.
- Store in a well-ventilated place. Keep cool.
- Store away from incompatible materials listed in Section 10.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Alkyl phenol	-	2	-	-
Hexanedioic acid, 1,6-diisodecyl ester		5		
Distillates (petroleum), hydrotreated heavy paraffinic		5		10
Naphthalene	0.5	2.6	2	10

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2020 12TH EDITION.

Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers.

Personal Protection Equipment



Eyes	Goggles or safety glasses with side shields. If splash hazard, wear faceshield. Ensure that eyewash stations and/or safety showers are close to the workstation location.
Hands	Handle with chemical resistant gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.
Skin	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Respiratory	Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary.
General	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Clear Blue
Odour	Mild hydrocarbon
Odour Threshold	Not available
pH	Not applicable

Boiling Point	> 192°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	75.56°C PMCC
Flammability	Combustible
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	0.833 g/cm ³ at 15.56°C
Water Solubility	Insoluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	approx. 5 cSt @ 40°C
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	None under normal use conditions.
Conditions to Avoid	Heat, flames and sparks
Incompatible Materials	Strong oxidizing agents, Strong bases, Strong acids, Amines
Hazardous Decomposition Products	Oxides of carbon

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable. Possible mild irritation effects.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	May be fatal if swallowed and enters airways.
STOT/SE	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT/RE	Causes damage to respiratory system through prolonged or repeated exposure

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Alkyl phenol	6000 mg/kg (rat)	>2000mg/kg (Rabbit)	-
Distillates, petroleum, hydrotreated light	>5000mg/kg (rat)	>5000mg/kg (rabbit)	4951 mg/m ³ – 4h (rat)

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:

Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Combustible, Chronic" and that the label also has the appropriate pictograms from section 2, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: Avoid release to the environment.

Section 14 Transport Information

This product is classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2020

Road and Rail Transport

UN No: 1993
Class-primary 3
Packing Group III
Proper Shipping Name: COMBUSTIBLE LIQUID, N.O.S. (Solvent naphtha (petroleum), medium aliphatic, Solvent naphtha (petroleum), light aromatic)

Air Transport

UN No: 1993
Class-primary 3
Packing Group III
Proper Shipping Name: COMBUSTIBLE LIQUID, N.O.S. (Solvent naphtha (petroleum), medium aliphatic, Solvent naphtha (petroleum), light aromatic)

Marine Transport

UN No: 1993
Class-primary 3
Packing Group III
Proper Shipping Name: COMBUSTIBLE LIQUID, N.O.S. (Solvent naphtha (petroleum), medium aliphatic, Solvent naphtha (petroleum), light aromatic)

Limited Quantities Statement:

If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15 Regulatory Information

Australia:

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as a **Schedule 5 Poison** according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

New Zealand:

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Additives, Process Chemicals, and Raw Materials (Combustible) – HSR002490

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	10,000 L
Emergency Response Plan	10,000 L
Secondary Containment	10,000 L
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

Cat.	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

Australia:

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants, Safe work Australia.
6. American Conference of Industrial Hygienists (ACGIH).
7. Globally Harmonised System of classification and labelling of chemicals.

New Zealand:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Apr 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to

TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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

Please contact the Australian or New Zealand distributor, if further information is required.

Issue Date: 1 September 2022 Review Date: 1 September 2027