

WICKSTEED DIESELCURE 15K

MATERIAL SAFETY DATA SHEET



Revision Date: 10/01/2022
Version: 2.0

PRODUCT NAME DIESELCURE 15K

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

1.1 PRODUCT IDENTIFIER

PRODUCT NAME: DIESELCURE 15K
COMPOSITION: HOMOGENOUS MIXTURE
APPEARANCE: AMBER LIQUID
ODOR: AROMATIC HYDROCARBON (AMMONIA)

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE

LISTED USE: DIESEL FUEL ADDITIVE

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier Name FUEL360 (2018) LIMITED
Address 257A REMUERA RD, REMUERA, AUCKLAND 0632, NEW ZEALAND

1.4 EMERGENCY AND ACCESSORY CONTACT INFORMATION

Tel +64 21 1331293
Emergency +64 21 1331293
Email address sean@fuel360.co.nz
Website www.fuel360.co.nz

SECTION 2: HAZARDS IDENTIFICATION

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2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS-US Classification

Flammable Liquid	4
Skin Irritation	2
Eye Damage	1
Carcinogenicity	2

2.2 LABEL ELEMENTS

GHS-US Labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: Combustible liquid. Causes skin irritation. Causes serious eye damage.
Precautionary statements (GHS-US)	: Keep away from flames and hot surfaces. – No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre/doctor. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: COMPOSITION INFORMATION

3.1 MIXTURE

INGREDIENT	IDENTIFIER	% (kg/kg)
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CYCLIC AMINO COMPOUND	TRADE SECRET	25-35
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC	COMPOUND PETROLIUM DISTILLATE	1-4
METHYL BUTYL HYDROCARBON	COMPOUND PETROLIUM DISTILLATE	2-7
ETHYL ALCOHOL SOLUTION	COMPOUND MIXTURE	15-25
HIGH FOAMING AMPHOTERIC SURFACTANT	COMPOUND MIXTURE	10-15
SIMPLE POLYOL COMPOUND	C3-H8-O3	20-25
ALIPHATIC DIAMENE	TRADE SECRET	10-15
FERROUS ORGANOMETALLIC COMPLEX	TRADE SECRET	1-3

Density	:	0.95 ± 0.02 g cm ⁻³ (20 °C)
Solubility	:	75 ± 2 g 100 ml ⁻¹ (20 °C)
Blend Ratio	:	1:15,000 (L:L) Preventative dose rate 1:7,500 (L:L) Shock dose rate
Quality Control	:	The above listed data represent a typical mass distribution. It is intended as a guide to facilitate handling and should not be regarded as specific data.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

First-aid measures after inhalation	:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
First-aid measures after eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
First-aid measures after ingestion	:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms/injuries after inhalation	:	May cause respiratory tract irritation.
Symptoms/injuries after skin contact	:	Causes skin irritation. Symptoms may include redness, swelling, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact	:	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/injuries after ingestion	:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately.

SECTION 5: FIRE FIGHTING MEASURES

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5.1 EXTINGUISHING MEDIA

Suitable extinguishing media : Water, Foam, Wet Chemical, Dry Powder, Carbon Dioxide, Class D special use
Unsuitable extinguishing media : None known

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fire Hazard : Products of combustion may include, but are not limited to: oxides of carbon

5.3 ADVICE FOR FIREFIGHTERS

Protection during firefighting : Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Vapours may be heavier than air and may travel along the ground to a distant ignition source and flash back. Use water spray to cool exposed surfaces.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

General considerations : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

6.2 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up : Scoop up material and place in a disposal container. Spilled material may present a slipping hazard. Use of spill kits is recommended.

SECTION 7: STORAGE AND HANDLING

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling : Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area.
Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical measures : Proper grounding procedures to avoid static electricity should be followed.
Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in dry, cool, well ventilated area. Store away from direct sunlight or other heat sources.

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SECTION 8: EXPOSURE CONTROLS

8.1 CONTROL PARAMETERS

OSHA TWA PEL EXPOSURE LIMIT (No Respiration)

CYCLIC AMINO COMPOUND	:	10ppm
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC	:	10ppm
METHYL BUTYL HYDROCARBON	:	10ppm
ETHYL ALCOHOL SOLUTION	:	250ppm
HIGH FOAMING AMPHOTERIC SURFACTANT	:	Not Applicable
SIMPLE POLYOL COMPOUND	:	10ppm
ALIPHATIC DIAMENE	:	10ppm
FERROUS ORGANOMETALLIC COMPLEX	:	No Information

8.2 EXPOSURE CONTROLS

Appropriate engineering controls	:	Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	:	Wear appropriate chemically resistant protective gloves.
Eye protection	:	Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).
Skin and body protection	:	Wear suitable protective clothing.
Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	:	Maintain levels below Community environmental protection thresholds.
Other information	:	Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Liquid
Appearance	:	Viscous Liquid
Colour	:	Amber
Odour	:	Aromatic hydrocarbon (ammonia)
pH	:	~7.0 (neutral)

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Melting Point	:	10°C (Mixture)
Freezing Point	:	Gelation begins at 10°C
Boiling Point	:	No Information
Flash Point	:	71°C
Density	:	0.95 ± 0.02 g cm ⁻³ (20 °C)
Solubility	:	75 ± 2 g 100 ml ⁻¹ (20 °C)
Auto-Ignition Temperature	:	268°C
Kinematic Viscosity	:	75 cm ² s ⁻¹

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

No dangerous reaction known under conditions of normal use.

10.2 CHEMICAL STABILITY

Stable under normal storage conditions. May form flammable/explosive vapour-air mixture.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reaction known under conditions of normal use.

10.4 CONDITIONS TO AVOID

Heat. Open flame. Sources of ignition.

10.5 INCOMPATIBLE MATERIALS

Oxidizers.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May include, and are not limited to: oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity : Not classified.

11.2 LD50 DATA

COMPONENT	Oral (CCID)	Dermal (CCID)	Vapour (CCID)
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CYCLIC AMINO COMPOUND	:	11mg/kg Rat	320 mg/kg Rabbit	1057 mg/m3 Mouse
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC	:	490 mg/kg Rat	1120 mg/kg Rabbit	Not Applicable
METHYL BUTYL HYDROCARBON	:	No data	No data	No data
ETHYL ALCOHOL SOLUTION	:	Not Applicable	Not Applicable	Not Applicable
HIGH FOAMING AMPHOTERIC SURFACTANT	:	4900 mg/kg Rat	Not Applicable	Not Applicable
SIMPLE POLYOL COMPOUND	:	Not Applicable	Not Applicable	Not Applicable
ALIPHATIC DIAMENE	:	1500 mg/kg Rat	Not Applicable	Not Applicable
FERROUS ORGANOMETALLIC COMPLEX	:	Not Applicable	Not Applicable	Not Applicable

11.3 ACCESSORY TOXICOLOGICAL DATA

Skin corrosion/irritation	:	Causes skin irritation
Serious eye damage/irritation	:	Causes serious eye damage
Respiratory or skin sensitisation	:	Based on available data, the classification criteria are not met
Germ cell mutagenicity	:	Based on available data, the classification criteria are not met
Carcinogenicity	:	Based on available data, the classification criteria are not met
Reproductive toxicity	:	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	:	Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	:	Based on available data, the classification criteria are not met
Aspiration hazard	:	Based on available data, the classification criteria are not met
Symptoms/injuries after inhalation	:	May cause respiratory tract irritation
Symptoms/injuries after skin contact	:	Causes skin irritation. Symptoms may include redness, swelling, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact	:	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/injuries after ingestion	:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

Ecology - general	:	May cause long-term adverse effects in the aquatic environment
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12.2 PERSISTENCE AND DEGRADABILITY

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DIESELCURE 15K : Not established

12.3 BIOACCUMULATIVE POTENTIAL

DIESELCURE 15K : Not established

12.4 MOBILITY IN SOIL

DIESELCURE 15K : Not established

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Additional information : Handle empty containers with care because residual vapours are flammable.

SECTION 14: TRANSPORT INFORMATION

New Zealand Transport Agency

In accordance with NZTA

Not considered dangerous goods for transport



14.2 ACCESSORY INFORMATION

Other information : No supplementary information available

Special transport precautions : Do not handle until all safety precautions have been read and understood