Safety Data Sheet

SECTION 1 - IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

Product name:	**Fuel System Cleaner - Diesel**	**Product code:**	**TFSD**
Other names:	NA	**Product use:**	DIESEL ADDITIVE
Substance:	Blend of hydrocarbons		
Company name:	The Automotive Group Pty Ltd		
Address:	1/15 Cunningham Street, Moorebank NSW 2170		
Phone:	02 9732 5400	**Fax:**	02 9732 5430
Issue date:	31 August, 2017	**Revision date:**	1st August, 2020

SECTION 2 - HAZARDS IDENTIFICATION

Statement of Hazardous Nature: **CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA.**

RISK PHRASES R65 Harmful: May cause lung damage if swallowed.

SAFETY PHRASES

S2 Keep out of reach of children.
S23 Do not breathe gas/fumes/vapour/spray (where applicable).
S24 Avoid contact with skin.
S29 Do not empty into drains.
S36/37 Wear suitable protective clothing and gloves.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

UN No.:	None Allocated	**DG Class:**	None Allocated	**Subsidiary Risk(s):** None Allocated
Packing Group:	None Allocated	**Hazchem Code:**	None Allocated	

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Formula	CAS No	Conc,%
ETHOXYLATED FATTY ALCOHOL SURFACTANT	Not Available	68131-39-5	<20
DISTILLATES (PETROLEUM) BLEND	Not Available	Not Available	>60
DIETHYLENE GLYCOL MONOBUTYL ETHER	C8-H18-03	112-34-5	1-10
ANIONIC DETERGENT(S)	Not Available	Not Available	1-10

SECTION 4 - FIRST AID MEASURES

General information: You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Eye Contact: If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a doctor, or for at least 15 minutes.

Ingestion: For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once).

SECTION 5 - FIRE FIGHTING MEASURES

Fire and Explosion Hazards:	Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use water fog to cool intact containers and nearby storage areas.
Extinguishing Media:	Dry agent, carbon dioxide, foam or water fog. Prevent contamination of drains or waterways.
Flammability:	Combustible. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Accidental release:	Contact emergency services where appropriate. Use personal protective equipment. Clear area of all unprotected personnel. Ventilate area where possible. Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all ignition sources.

SECTION 7 - HANDLING AND STORAGE

Handling:	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.
Storage:	Store in a cool, dry, well ventilated area, removed from oxidising agents, acids, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate ventilation systems. Store as a Class C1 Combustible Liquid (AS1940).

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards

Ingredient	Reference	TWA		STEL	
Oil mist, refined mineral	SWA (AUS)	--	5 mg/m3	--	--

Biological Limits:	No biological limit allocated.
Engineering Controls:	Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.
PPE:	Wear splash-proof goggles and rubber or PVC gloves. When using large quantities or where heavy contamination is likely, wear: coveralls. Where an inhalation risk exists, wear: a Type A (Organic vapour) respirator.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

Physical Description & colour:	BLUE LIQUID
Odour:	HYDROCARBON ODOUR
Boiling Point:	NOT AVAILABLE
Freezing/Melting Point:	NOT AVAILABLE
Volatiles:	NOT AVAILABLE
Vapour Pressure:	NOT AVAILABLE

Vapour Density:	NOT AVAILABLE
Specific Gravity:	0.95 (Approximately)
Water Solubility:	INSOLUBLE
pH:	NOT AVAILABLE
Flash Point:	> 60.5°C
Flammability:	CLASS C1 COMBUSTIBLE
Evaporation Rate:	NOT AVAILABLE
Upper Explosion Limit	NOT AVAILABLE
Lower Explosion Limit	NOT AVAILABLE
Auto Ignition Temperature	NOT AVAILABLE
Partition Coefficient	NOT AVAILABLE
Decomposition Temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended conditions of storage.
Conditions to Avoid:	Avoid heat, sparks, open flames and other ignition sources.
Incompatibilities:	Incompatible with oxidising agents (eg. hypochlorites), acids (eg. nitric acid), heat and ignition sources.
Fire Decomposition	May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.
Polymerisation:	Polymerization is not expected to occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Health Hazard Summary:	Low to moderate toxicity - irritant. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure may result in central nervous system (CNS) effects.
Eyes:	Irritant. Contact may result in irritation, lacrimation, pain and redness.
Inhalation:	Low irritant. Over exposure may result in irritation of the nose and throat, with coughing. Due to the low vapour pressure, an inhalation hazard is not anticipated with normal use.
Skin:	Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis.
Ingestion:	Low to moderate toxicity. Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, dizziness and drowsiness. Aspiration may result in chemical pneumonitis and pulmonary oedema.
Toxicity Data:	DIETHYLENE GLYCOL MONOBUTYL ETHER (112-34-5) LD50 (Ingestion): 4500 mg/kg (rat) LD50 (Intraperitoneal): 850 mg/kg (mouse) LD50 (Skin): 2700 mg/kg (rabbit)

SECTION 12 - ECOLOGICAL INFORMATION

Environment:	Aliphatic hydrocarbons behave differently in the environment depending on their size. WATER: Light aliphatics volatilise rapidly from water (half-life - few hours). Bio-concentration should not be significant. SOIL: Light aliphatics biodegrade quickly in soil and water, heavy aliphatics biodegrade very slowly. ATMOSPHERE: Vapour-phase aliphatics will degrade by reaction with hydroxyl radicals.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal:	Incinerate where available. For small amounts absorb with sand, vermiculite or similar and dispose of to approved landfill site. Dispose of in accordance with relevant local legislation.

SECTION 14 - TRANSPORT INFORMATION

ADG Code:	None Allocated	**Hazchem Code:**	None Allocated
UN Number:	None Allocated	**Dangerous Goods Class:**	None Allocated
Packaging Group:	None Allocated	**Packaging Method:**	None Allocated
Special Provisions:	None Allocated	**Limited quantities:**	None Allocated

SECTION 15 - REGULATORY INFORMATION

Poison Schedule:	Classified as a Schedule 5 (S5) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
AICS:	All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

SECTION 16 - OTHER INFORMATION

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid Information exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

WORK PRACTICES - SOLVENTS: Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 and AS 1940 for control procedures.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Users should assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using the product.

This SDS is prepared in accord with the SWA document “Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice” (December 2011)

End of Safety Data Sheet