Safety Data Sheet

SECTION 1 - IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

Product name:	**Engine Decarb - Diesel**	**Product code:**	**TEDD**
Other names:	NA	**Product use:**	Ready-to-use decarb solution for diesel engine fuel systems
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:	31st August, 2015	**Revision date:**	31st December, 2021

SECTION 2 - HAZARDS IDENTIFICATION

Statement of Hazardous Nature: CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA
NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE.

Hazard Category: Xn: Harmful N: Dangerous for the environment.

RISK PHRASES

R40 Limited evidence of carcinogenic effect.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S2 Keep out of the reach of children.
S23 Do not breathe gas/fumes/vapours/spray (where applicable)
S24 Avoid contact with skin.
S36/37 Wear suitable protective clothing and gloves.
S61 Avoid release to the environment. Refer to Safety Data Sheet.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Conc,%
Diesel fuel	68476-34-6	>60
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	5-15
Ethers	Not available	1-10
Surfactants	Not available	1-10
Corrosion inhibitors	Not Available	<5

SECTION 4 - FIRST AID MEASURES

General information: Treat Symptomatically as for narcotic substance. If respiration is depressed assisted respiration may be necessary. Use safety shower and eye wash station.

Inhalation: Remove to fresh air. If there are signs of intoxication, irritation, dizziness or nausea seek medical attention.

Skin Contact: Remove contaminated clothing and wash affected area with running water followed by soap and water. Get medical attention if irritation develops.

Eye Contact: Hold eyes open and flush immediately with large amounts of water for at least 15 minutes. Seek medical attention immediately.

Ingestion:	If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. For further information, contact a doctor or Poisons Information Centre on 13 11 26.

SECTION 5 - FIRE FIGHTING MEASURES

Fire and Explosion Hazards:	In the event of fire toxic gases including oxide of carbon may be released. Product will float on water and can be re-ignited on surface of water. Flammable vapours may be present even at temperatures below the flash point.
Extinguishing Media:	Alcohol stable foam, water spray (large fires) or fog; carbon dioxide or dry chemical powder (small fires).
Precautions for Firefighters:	Firefighters should wear self-contained breathing apparatus with full face mask and protective clothing.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	Clean up spills immediately to prevent further accidents. Evacuate all unnecessary personnel. Stop leak if safe to do so. Personnel involved in the clean-up of large spills should wear appropriate protective clothing as specified in Section 8.
Accidental release:	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. In the event of a large spill, contain spilled material with sand, earth or other absorbent material. Prevent run-off into drains or waterways. Transfer spilled material to suitable containers for re-use or disposal. Transfer contaminated sand or earth into suitable containers for disposal. Clearly label all containers. Wash contaminated area with detergent and water.

SECTION 7 - HANDLING AND STORAGE

Handling:	Read the product label before use. Avoid skin and eye contact and inhalation of fumes or spray. Always wash hands before eating, smoking or using the toilet. Wash contaminated clothing and other personal protective equipment before storing or re-using.
Storage:	Store in a cool, dry, well-ventilated area in the original container. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:	Occupational exposure limits: Naphthalene: Time Weighted Average (TWA) = 52 mg/m3 Short Term Exposure Limit (STEL) = 79 mg/m3 Mineral oil mist: Time Weighted Average (TWA) = 5 mg/m3 In the absence of a national exposure limit, the American Conference of Governmental Industrial Hygienists (ACGIH) recommends the following values for Diesel Fuel: TWA – 100 mg/m3. Critical effects based on Skin and Irritation.
Biological Limits:	No biological limit allocated.
Engineering Controls:	No special engineering controls required when used in small quantities. Use with good general ventilation. If mists or aerosols are generated, a system of local and/or general exhaust is recommended to keep employee exposure as low as possible. Local exhaust ventilation is preferable because it can control emissions at source preventing dispersion into the general work area.
PPE:	Eye Protection: Face shield and/or chemical goggles (AS 1336/1337). Glove Type: Impervious PVC, rubber or nitrile gloves (AS 2161). Clothing: PVC, nitrile or rubber apron and enclosed shoes. Respirator: If an inhalation risk exists, wear an approved respirator complying with AS 1715/1716. In general, respirator use should be limited and engineering controls used to minimise exposure. If

respirators must be worn, ensure adequate respirator selection and training is undertaken. Some respirators are extremely uncomfortable to wear for extended periods. Air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

Physical Description & colour:	Clear yellow/brown liquid
Odour:	Mild hydrocarbon
Boiling Point:	> 150°C
Freezing/Melting Point:	Not determined
Volatiles:	Not determined
Vapour Pressure:	<1hPa at 20 ºC
Vapour Density:	Approx. 0.84g/cm3 at 15 ºC
Specific Gravity:	Approx 0.9
Water Solubility:	Not soluble
pH:	Not determined
Flash Point:	>63oC
Flammability:	Combustible
Evaporation Rate:	Not determined
Upper Explosion Limit	Not determined
Lower Explosion Limit	Not determined

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended conditions of storage and use.
Conditions to Avoid:	Keep away from heat, sparks, open flame and other ignition sources.
Incompatibilities:	Strong oxidising agents.
Fire Decomposition	May evolve toxic gases including oxides of carbon when heated to decomposition.
Polymerisation:	None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Health Hazard Summary:	This product is considered to be of low to moderate toxicity by ingestion. High concentrations and vapour may cause headache and drowsiness. There is limited evidence of carcinogenicity from exposure to diesel fuel.
Eyes:	Vapour may irritate the eyes causing stinging and discomfort. Liquid and spray mists may cause redness or corneal injury.
Inhalation:	Irritant. Over exposure may result in irritation of the nose and throat, coughing, nausea, headache, fatigue, loss of appetite and vomiting. High level exposure may result in dizziness, breathing difficulties, pulmonary oedema and unconsciousness. Chronic exposure may result in kidney, liver and CNS damage.
Skin:	Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis. May be absorbed through skin with harmful effects.
Ingestion:	Moderate toxicity. Ingestion may result in nausea, vomiting, abdominal pain, dizziness, fatigue and diarrhoea. Ingestion of large quantities may result in liver and kidney damage, and unconsciousness. Aspiration into lungs may cause chemical pneumonitis and pulmonary oedema.
Toxicity Data:	Diesel fuel LD50 (rat): >2000 mg/kg; solvent naphtha (petroleum), heavy aromatic (64742-94-5): LC50 (Inhalation): > 590 mg/m3/4 hours (rat); LD50 (Skin): > 2 mL/kg (rabbit); LDLo (Ingestion): 5 mL/kg (rat)

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	This product is regarded as toxic to aquatic organisms. Toxic: LL/EL/IL50 1-10 mg/L (to aquatic organisms) (LL/EL50 is expressed as the nominal amount of product required to prepare aqueous test extract).
Persistence and Degradability:	The main components of this product are readily biodegradable. Some minor components may persist in the environment.
Mobility:	Floats on water. Partly evaporates from water or soil surfaces but a significant proportion will remain after one day. Large volumes may penetrate soil and could contaminate groundwater. Contains volatile constituents.
Bioaccumulation:	Some of the minor ingredients in this product have the potential to bioaccumulate.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal:	Recover or recycle if possible. Waste material may be incinerated under controlled conditions where permitted. Refer to local waste management authority for other approved methods. Empty containers should be decontaminated by rinsing with water prior to disposal or recycling. Product must be contained and not disposed of in sewerage systems, drains or waterways. Advise combustible nature. Dispose of in accordance with relevant local legislation.

SECTION 14 - TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

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

AICS:	S5 when packed in containers having a capacity of less than 20L. All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

SECTION 16 - OTHER INFORMATION

This SDS 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