



MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAMES: Clear mXt

GENERAL USE: Fuel-borne nano catalyst used to enhance combustion efficiency. Solution is added to diesel fuel at a dosage of less than 0.01%.

COMPANY: TK Fuels Australia, 3 Spring Street, Sydney, NSW, 2001, Australia

TELEPHONE NO. : +61(0)2 8249 4649

EMERGENCY 24 HOUR TELEPHONE NO. : +44(0)870 429 4894

SECTION 2: COMPOSITION / INGREDIENTS

SUBSTANCE/MIXTURE Mixture of fatty acid triglyceride

CHEMICAL NAME Not specified

CHEMICAL FORMULA Not specified

Substance presenting health hazard: None

Clear mxt®

SECTION 3: HAZARD IDENTIFICATION

Environmental Hazards: None expected if handled and used properly.

Human Health Hazards: None expected if handled and used properly.

SECTION 4: FIRST AID MEASURES

Eyes: Eye contact may cause irritation. Irrigate the eyes with plenty of water for at least 15 minutes.

Skin: In very rare cases, skin contact may cause irritation. Remove contaminated clothing and wash exposed area with plenty of water followed by soap and water.

Inhalation: Not considered dangerous. Take person into fresh air and allow to rest.

Ingestion: Not considered dangerous. Drink plenty of water.



SECTION 5: FIRE FIGHTING MEASURES

Flash Point: > 120 °C

Suitable Extinguishing Media: Dry powder, foam, carbon dioxide.

Unsuitable Extinguishing Media: Water jet, but use water to cool fire exposed containers.

Protection of Firefighters: Wear self contained breathing apparatus and other protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Watch out for slippery conditions when spillage. Avoid contact with eyes.

Environmental Precautions: Keep away from drains and ground water.

Methods of Cleaning Up: Pick up excess with inert absorbent material and place into separate waste container. Flush area with warm soapy water.

SECTION 7: HANDLING AND STORAGE

Handling: Handle with care and avoid spillage on the floor (slippage).

Measures for safety handling: Consider normal working hygiene. Keep away from sources of ignition.

Storage: Store in a cool dry place. Keep away from heat and direct light.

Suitable packing materials: Coated steel drums, plastic containers, dark glass.

Non-suitable packaging materials: Direct contact with iron, bronze or copper.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: No special measures at normal room temperature. If aspirated as an oil mist the respiratory system may be affected. Oil mist is classified a nuisance particulate by the American Conference of Governmental Industrial Hygienists (ACGIH) who recommended a TLV of 10 ppm.

Hand protection: No special measures at normal room temperature.

Eye protection: Usage of safety glasses / goggles is recommended.

Skin protection: No special measures at normal room temperature.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Clear, diesel fuel odour

Flash Point: > 120 °C

Auto inflammability: Not possible

Explosive properties: Not explosive

Vapor pressure: Less than 0.01 mmHg

Specific Gravity: 0.90 at 40°C

pH: 6.8

Solubility: Insoluble in water

SECTION 10: STABILITY AND REACTIVITY INFORMATION

Conditions to avoid: Oxidation promoting conditions (heat, sunlight and air), temperatures below -5 degrees centigrade.

Materials to avoid: Strong oxidizing agents.

Hazardous decomposition products: Only through thermal decomposition products: H₂O and CO₂

SECTION 11: TOXICOLOGICAL INFORMATION

The product is considered non-toxic.

Oral (LD 50): Not tested on animals.

Inhalation (LC 50): Not to be expected

Skin irritation: In rare cases possible irritant.

Eye irritation: Slightly irritant.

Sensitation: Not available.

Chronic Toxicity: Not to be expected.

SECTION 12: ECOLOGICAL INFORMATION

According to the chemical composition, product does not contain heavy metals and substances classified as dangerous for the environment.

Elimination (persistency and degradability): Readily biodegradable

Bioaccumulative potential: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Product: This material is not considered hazardous waste. It can be disposed in accordance with local regulations.

Contaminated packaging: Suitable waste-disposal site approved by local authorities.

SECTION 14: TRANSPORT INFORMATION

This product is not a hazardous material. No special conditions, as it is not a regulated product.

SECTION 15: REGULATORY INFORMATION

According to our information this product is not dangerous material.

Symbols and phrases according to health hazards: None.

Dangerous substances to label: None.

R-phrases: None

S-phrases: None

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