

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - MANUFACTURER INFORMATION

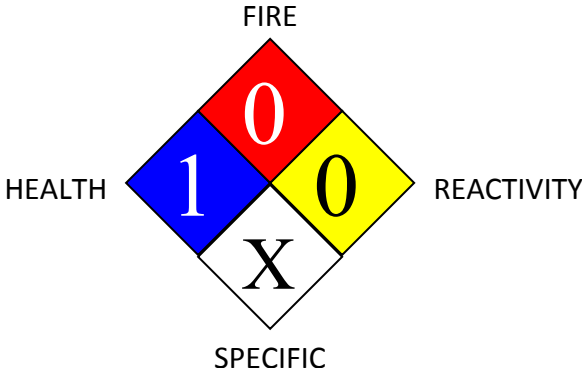
MANUF / DIST: TRANSDIESEL LTD  
533 HALSWELL JUNCTION ROAD  
HORNBY P.O. BOX 16-325  
CHRISTCHURCH 8441

PREPARER / CONTACT: CUSTOMER SERVICES / PARTS DEPARTMENT  
PREPARER PHONE: 03 349 8738  
24 HOUR EMERGENCY PHONE: NATIONAL POISON CENTRE 0800-764-766

TRADE NAME / SYNONYMS: **MULTI-TRANS DEGREASER**

CHEMICAL NAME / SYNONYMS: NOT APPLICABLE  
CHEMICAL FAMILY: NOT APPLICABLE  
FORMULA: PROPRIETARY  
PRODUCT CODE: AGW-001893 403 20

### HAZARDOUS MATERIAL IDENTIFICATION SYSTEM:

<b>HAZARD WARNING</b> 4 - Extreme 3 - High 2 - Moderate 1 - Slight 0 - Insignificant X- See Section IV of M.S.D Sheet	
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## SECTION 2 - HAZARDOUS INGREDIENTS

NAMES OF HAZARDOUS INGREDIENTS: See CFR291910.1200 (i)-(13)

CHEMICAL / COMMON NAME	CAS#	PERCENTAGE	PEL-OSHA	TLV-ACGIH
2 Butoxy Ethanol (Skin)	111-76-2	>1	50PPM	25PPM
Potassium Hydroxide	1310-58-3	>1	N.E.	2mg/m3

THIS PRODUCT DOES NOT CONTAIN CARCINOGENS: (NTP, IARC, AND OSHA):

## SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute and Chronic):

\*Acute\*:

- Eyes -Can cause severe irritation, redness, tearing, and blurred vision.
- Skin - Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis
- Inhalation - Breathing of dust or mist can cause mild to severe irritation of nasal or respiratory passage.
- Ingestion - Can cause gastro-intestinal irritation, nausea, vomiting and diarrhea.

\*Chronic\*:

- Overexposure to glycol ethers (in its pure state) has been found to cause anemia, liver abnormalities, kidney damage, lung damage and blood abnormalities in laboratory animals.

PRIMARY ROUTES OF ENTRY:

- a) Skin
- b) Inhalation

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

EMERGENCY FIRST AID PROCEDURES:

- a) Skin - Immediately flush skin with lots of running water for at least 30 minutes. Remove contaminated clothing and shoes.
- b) Eyes - Flush immediately with large quantities of running water for at least 15 minutes. Consult physician.
- c) Inhalation - If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.
- d) Ingestion - Do not induce vomiting call physician immediately. If conscious, give lots of water or milk. Do not give anything by mouth to an unconscious or convulsing person.

**SECTION 4 - CHEMICAL DATA**

BOILING POINT (C°) : >100		SPECIFIC GRAVITY (WATER=1): 1.1
VAPOR PRESSURE (mmHg):	N/D	PERCENT VOLATILE BY VOLUME (%) : >80.00
VAPOR DENSITY (AIR=1):	N/D	EVAPORATION RATE (WATER=1): 1

SOLUBILITY IN WATER: 100%.

APPEARANCE AND ODOR INFORMATION: Yellow liquid.

**SECTION 5 - FIRE & PHYSICAL HAZARD DATA**

FLASH POINT (Method Used): None  
FLAMMABLE LIMITS: LEL= N/A, UEL= N/A

EXTINGUISHING MEDIA: Not considered a fire hazard.

SPECIAL FIRE FIGHTING PROCEDURES: N/A  
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

INCOMPATIBILITY (Material to Avoid):  
Avoid contact with acids and strong oxidizers such as permanganate, chlorine, etc.

HAZARDOUS DECOMPOSITION PRODUCTS: None  
HAZARDOUS POLYMERIZATION WILL NOT OCCUR  
THIS PRODUCT IS STABLE

**SECTION 6 - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
Absorb the large spill on suitable absorbent. Wash the residue down the drain or pit with plenty of water. Small spills can be flushed down the drain with plenty of water.

WASTE DISPOSAL METHODS:  
Dispose of according to local, state and federal regulations for biodegradable detergents.

**SECTION 7 - EXPOSURE CONTROL INFORMATION**

VENTILATION:

LOCAL EXHAUST: Below TLV(s)      MECHANICAL (GENERAL): EXPLOSION PROOF

SPECIAL: N/A

OTHER: N/A

RESPIRATORY PROTECTION:

An appropriate NIOSH approved hydrocarbon canister or respirator for organic Vapor should be worn if needed.

PROTECTIVE GLOVES:

Wear: Resistant gloves such as nitrile rubber, PVC, etc.

OTHER PROTECTIVE EQUIPMENT:

Eye wash and quick drench facilities.

OTHER ENGINEERING CONTROLS: None Known

WORK PRACTICES:

Eye wash fountain and safety shower should be easily accessible. Discard properly such items as rags and trash soaked with the product.

Provide adequate ventilation.

HYGIENIC PRACTICES:

Avoid contact with eyes, skin and clothing. Avoid inhalation of product vapors. Wash thoroughly after handling and before eating, drinking or smoking. Remove contaminated clothing promptly and wash thoroughly before reused.

## **SECTION 8 - SPECIAL PRECAUTION**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- a) Do not store under freezing conditions or above 49 degrees C°.
- b) Protect from physical damage and keep tightly closed.
- c) Do not store near acids or acidic materials and oxidizers.

MAINTENANCE PRECAUTIONS:

When working with FLAMMABLE material electrically ground all equipment and use only non-sparking tools.

OTHER PRECAUTIONS:

Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings.