DEG – T2
(DEGREASING FLUID TYPE 2 – NON FLAMMABLE)

PRODUCT DATA SHEET & MSDS

DESCRIPTION:

DEGREASING FLUID TYPE 2 is a heavy duty, homogeneous solvent emulsion degreasing fluid which is non-flammable. It is intended for the cleaning of oil and grease soiled, painted or unpainted surfaces of mechanical components on automotive, earthmoving and industrial machinery and engines on which water can be tolerated. BCDF2 has a slightly paraffinic odour

PRODUCT FEATURES:

- Non – Combustible
- Non - Flash
- Safe on metals
- Free Rinsing
- Emulsifies readily

APPLICATIONS:

DEGEASING FLUID TYPE 2 is to be used for the cleaning of oil & grease soiled, painted or unpainted surfaces of mechanical components on automotive, earthmoving and industrial machinery and engines on which water can be tolerated. It is to be applied preferably neat (without dilution), allowed to soak and then agitated and washed off with a jet of water.

TECHNICAL DATA:

PROPERTY	DEG T 2	ASTM TEST
Appearance	Milky White Liquid	-
Flash point	Nil	D92
Combustibility	Passes SABS 0225 1995 Paragraph 8.4.4 Hot Manifold Test AMS 3150	-
PH	11.5	-
Density	0.810g/ml at 20 C	D4052

PRECAUTIONS:

- Not to be used for the cleaning of electrical equipment, delicate machine parts, rolling element bearings, winder steel cable or any aircraft components.
- Avoid prolonged contact with the skin, wash hands thoroughly after working with the product.
- Not to be swallowed.
- Avoid contact with eyes.

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1. PRODUCT IDENTIFICATION

Product	:	Degreasing Fluid Type 2
Company Identification	:	DEG – T2
Product Use	:	For cleaning of oil & grease soiled, painted or unpainted surfaces of mechanical components on automotive, earthmoving and industrial machinery and engines on which water can be tolerated. It is to be applied preferably neat (without dilution), allowed to soak and then agitated and washed off with a jet of water

2. COMPOSITION

Chemical Composition	:	Proprietary Solvent, Emulsifiers and additives
Hazardous Components	:	Sulphonic acid, potassium hydroxide

3. HAZARDS IDENTIFICATION

Hazards	:	This material is not considered to be hazardous, but should be handled in accordance with good industrial hygiene and safety practices.

4. FIRST AID MEASURES

Eye Contact	:	Flush eyes thoroughly with water. Obtain medical advice if any irritation occurs.
Skin Contact	:	Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin thoroughly. If irritation persists obtain medical attention.
Ingestion	:	Not expected to be a problem. If large quantities of this product are ingested obtain medical advice. DO NOT induce vomiting unless directed so by medical personnel. Never give anything by mouth to an unconscious person.
Inhalation	:	Avoid excessive inhalation of mists, fumes or vapour. This causes irritation to the nose, throat, and coughing. Remove person from exposure. If symptoms persist obtain medical advice.

5. FIRE FIGHTING MEASURES

Extinguishing media	:	In case of fire use water sprays, fog or standard foam is recommended. DO NOT USE water jets. Water may be used to cool nearby heat exposed areas /objects. Avoid spraying directly into storage containers because of the danger of boil-over. Move container away from fire area if you can do it without risk.
Special hazards	:	Fires in confined areas should be dealt with by trained personnel wearing approved breathing apparatus. Toxic fumes may be evolved on burning or exposure to heat.
Protective clothing	:	Use suitable protective breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Any spillages should be regarded as a potential fire risk. In the event of spillage, remove all sources of ignition and ensure good ventilation. Spilled material may make surface slippery. Clean up spilled material immediately. It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated.
Environmental precautions	:	Do not wash product into drainage systems, protect drains from potential spills to minimize contamination. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover from the surface. Protect environmentally sensitive areas and water supplies. Minimize contact of spilled material with soils to prevent runoff to surface waterways.
Small Spills	:	For small spills clean up the material immediately. Contain and recover spilled material using sand or other suitable inert absorbent material.
Large Spills	:	Recovery of large spills should be affected by specialist personnel.

7. HANDLING AND STORAGE

Handling precautions	:	Avoid contact with skin and observe good personal hygiene. Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid frequent or prolonged skin contact with fresh or used product. Wash hands thoroughly after contact. Use disposable cloths and discard when soiled. Do not put soiled cloths in pockets. Take necessary precautions against accidental spillage into soil and water. Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times.
Storage precautions	:	Store under cover away from heat and sources of ignition.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits	:	There is no appropriate occupational exposure limit to this material.
Engineering controls	:	The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. If vapour, mists or fumes are generated, their concentration in the workplace air should be controlled to the lowest reasonably practicable level.

Personal Protective Equipment

Respiratory system	:	Respiratory protection is unnecessary, provided the concentration of vapour, mists or fumes is adequately controlled. The use of respiratory equipment must be strictly in accordance with any statutory requirements governing its selection and use.
Hands	:	Use chemical resistant, impervious gloves.
Eyes	:	Safety glasses with side shields. Goggles with a face shield may be necessary depending on conditions of use.
Skin	:	Disposable outer garments where there is the potential for contact with the material.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	DEG T 2	ASTM TEST
Appearance	Milky White Liquid	-
Flash point	Nil	D92
Combustibility	Passes SABS 0225 1995 Paragraph 8.4.4 Hot Manifold Test AMS 3150	-
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10. STABILITY AND REACTIVITY

Conditions to avoid	:	Sources of ignition. Thermal decomposition products will vary with conditions. Incomplete combustion will generate smoke, carbon dioxide and hazardous gasses, including carbon monoxide.
Incompatible Materials	:	Avoid contact with strong oxidizing agents
Stability	:	Stable at ambient temperatures. Hazardous polymerization reactions will not occur.

11. TOXICOLOGICAL INFORMATION

Skin contact	:	Unlikely to cause harm to the skin on brief or occasional contact.
Eye contact	:	Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.
Ingestion	:	Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhea.
Inhalation	:	At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May cause irritation to eyes, nose and throat due to vapour, mists or fumes. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occur.

12. ECOLOGICAL INFORMATION

Aquatic toxicity	:	Spills may form a film on water surfaces causing physical damage to organisms; oxygen transfer could also be impaired.
Biodegradability	:	This product is inherently biodegradable.
Bio-accumulation	:	There is no evidence to suggest bio-accumulation will occur.
Mobility	:	Spillages may penetrate the soil causing ground and water contamination.

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13. DISPOSAL CONSIDERATIONS

Disposal Methods	:	Where possible, arrange for the product to be recycled. Dispose via an authorized person / licensed waste disposal conductor in accordance with local regulations.

14. TRANSPORT INFORMATION

Road Transport	:	Not classified as hazardous for transport

15. REGULATORY INFORMATION

EEC hazard classification	:	EU Category of Danger – Harmful and Dangerous for the environment
Risk (R) Phrases	:	R65 – Harmful: may cause lung damage if swallowed R66 – Repeated exposure may cause skin dryness or cracking R51/R53 – toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Risk (S) Phrases	:	S24 – Avoid contact with skin
	:	S43 – In case of fire, use foam/dry powder/Co2. Never use water jets.
	:	S62 – If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
	:	S61 – Avoid release into the environment. Refer to special instructions/Safety data sheets.

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