

PRODUCT DATA SHEET & MSDS



DESCRIPTION

PUREDEG is a multi-purpose, biodegradable, water based degreasing fluid which is non-flammable. Specially formulated for all those problem areas where stubborn grease stains have accumulated.

PRODUCT FEATURES

- Non-Flammable and solvent free.
- Safe for use on all metals.
- Bio-degradable and environmentally friendly.
- Emulsifies readily and free rinsing.
- Nontoxic.

APPLICATIONS

Recommended for cleaning service station, workshops and factory floors. Suitable for cleaning tools and equipment. Most effective when applied neat by spray or brush. Allow to soak into the grime or dirt, then agitated and wash off with a jet of water. This product can be diluted with water at a rate of up to 10:1 for maintenance purposes.

TYPICAL PROPERTIES

PROPERTY	TYPICAL
Appearance	Clear liquid, tan colour.
Active ingredients; %	55
Viscosity @ 20°C; mm ² /s	97
Flash Point; °C	Non Flammable
Pour Point; °C	-8
Haze Point; °C	-6
Density; kg/L	1,010

*The figures above do not represent a specification.
They are typical values obtained within normal production tolerances.*

All reasonable care has been taken to ensure that the information contained in this Product Data Sheet is accurate at the date of issue. It should be noted, however, that the information may be effected by changes, subsequent to the date of issue, in the blend formulation or the requirements of any third party specification relating to this product or the methods of application. Final determination of suitability of any material is the sole responsibility of the user.

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1. PRODUCT IDENTIFICATION

Product : Biodegradable water based Degreasing Fluid.
Company Identification : PUREDEG.
Product Use : For cleaning floors, tools and equipment.

2. COMPOSITION

Chemical Composition : Water, surfactant blend, emulsifiers and detergents.
Hazardous Components : Tetrasodium (<4%)

3. HAZARDS IDENTIFICATION

Hazards : This product is not considered hazardous to the environment.

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 : 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. If this product comes into contact with mouth, rinse out thoroughly with water.
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 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.

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7. HANDLING AND STORAGE

- Handling precautions : Do not spray into electrical connections or outlets. 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.

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 are 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.

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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.

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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 : Emulsifies readily but high concentrations in water may cause 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.

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

EC Classification : Not classified as dangerous under EC criteria.
EC Symbols : No Hazard Symbol required
EC Risk Phrases : Not classified.
EC Safety Phrases : Not classified.

DISCLAIMER

The information provided in this data sheet and the health, safety and environmental information it contains, is correct to the best of our knowledge at the date of publication. However, neither Blue Chip Lubricants (Pty) Ltd nor any of its affiliates, accept any liability whatsoever for the accuracy or completeness of the information contained herein. Since this information may be applied under conditions beyond our control, we do not accept any responsibility for the results of its use. Final determination of suitability of any material is the sole responsibility of the user.