

Safety Data Sheet

Shell Degreasing Fluid**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

Product Code 100C0130
Infosafe No. ACNX0 AU/eng/C
Issued Date 5/06/2007
Product Type/Use Degreasing fluid.

Other Names **Name** **Code**
Shell Degreasing Fluid 140000000235

Supplier Shell Company of Australia Ltd.
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AUSTRALIA

Telephone Numbers
Emergency Tel.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Preparation Description
Blend of kerosine and additives.

| Name | CAS | EINECS | Proportion | Hazard | R Phrase |
|----------------------------|-----------|-----------|------------|-----------|-----------------------|
| Kerosine (petroleum) | 8008-20-6 | 232-366-4 | 80-95 % | Xi, Xn, N | R10, R38, R65, R51/53 |
| Nonylphenol, eth-oxylyated | 9016-45-9 | 5000246 | 1-5 % | Xi, N | R36/38, R51/53 |

Other Information
See Section 16 'Other Information' for full text of each relevant Risk Phrase.

3. HAZARDS IDENTIFICATION

Hazards Identification
HAZARDOUS SUBSTANCE.
DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

Human Health Hazards
Harmful: may cause lung damage if swallowed. Aspiration into the lungs may cause chemical pneumonitis which can be fatal. Prolonged or repeated exposure may cause dermatitis. Used oil may contain harmful impurities. Irritating to skin.



Safety Hazards

Not classified as flammable, but will burn.

Environmental Hazards

Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Symptoms and Effects

Irritation of the skin. Aspiration into the lungs may occur directly or following ingestion. This can cause chemical pneumonitis which may be fatal.

Inhalation

In the unlikely event of dizziness or nausea, remove casualty to fresh air. If symptoms persist, obtain medical attention.

Skin

Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention. When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop.

Eye

Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.

Ingestion

DO NOT INDUCE VOMITING. Protect airway if vomiting begins. Give nothing by mouth. If breathing but unconscious, place in recovery position. If breathing has stopped, apply artificial respiration. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

Advice to Doctor

Treat symptomatically. Aspiration into the lungs may cause chemical pneumonitis. Dermatitis may result from prolonged or repeated exposure. High pressure injection injuries require prompt surgical intervention and possibly steroid therapy, to minimise tissue damage and loss of function.

5. FIRE FIGHTING MEASURES

Specific Hazards

Combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide and unidentified organic and inorganic compounds.

Extinguishing Media

Foam and dry chemical powder. Carbon dioxide, sand or earth may be used for small fires only.

Unsuitable Extinguishing Media

Water in jet. Use of halon extinguishers should be avoided for environmental reasons.

Protective Equipment

Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with skin and eyes. Do not breathe mists, aerosols. Wear PVC, Neoprene or nitrile rubber gloves. Wear rubber knee length safety boots and PVC Jacket and Trousers. Wear safety glasses or full face shield if splashes are likely to occur.



Environmental Precautions

Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Inform local authorities if this cannot be prevented.

Clean-up Methods - Small Spillages

Absorb liquid with sand or earth. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations.

Clean-up Methods - Large Spillages

Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Dispose of as for small spills.

7. HANDLING AND STORAGE**Handling**

Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Avoid contact with skin, eyes and respiratory system. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Prevent spillages. Cloth, paper and other materials that are used to absorb spills present a fire hazard. Avoid their accumulation by disposing of them safely and immediately. In addition to any specific recommendations given for controls of risks to health, safety and the environment, an assessment of risks must be made to help determine controls appropriate to local circumstances.

Storage

Keep in a cool, dry, well-ventilated place. Use properly labelled and closeable containers. Avoid direct sunlight, heat sources, and strong oxidizing agents.

Storage Temperatures

0°C Minimum. 50°C Maximum.

Recommended Materials

For containers or container linings, use mild steel or high density polyethylene.

Unsuitable Materials

For containers or container linings, avoid PVC.

Other Information

Polyethylene containers should not be exposed to high temperatures because of possible risk of distortion.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION**Exposure Limits**

| Substance | Regulations | Exposure Duration | Exposure Limit | Units | Notes |
|----------------------|-------------|-------------------|----------------|-------------------|-----------------------------|
| Kerosine (petroleum) | ACGIH | TWA | 200 | mg/m ³ | as total hydrocarbon vapour |

ACGIH ACGIH Threshold Limit Values.

Exposure Controls

Use local exhaust ventilation if there is a risk of inhalation of vapours, mists or aerosols.

Respiratory Protection

Not normally required. If oil mist cannot be controlled, a respirator fitted with an organic vapour cartridge combined with a particulate pre-filter should be used.

Hand Protection

PVC or nitrile rubber gloves.

Eye Protection

Wear safety glasses or full face shield if splashes are likely to occur.

Body Protection

Minimise all forms of skin contact. Overalls and shoes with oil resistant soles should be worn. Launder overalls and undergarments regularly.

Environmental Exposure Controls

Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--|
| Colour | Dark red. |
| Physical State | Liquid. |
| Odour | Characteristic. |
| pH Value | Data not available. |
| Vapour Pressure | Expected to be less than 0.5 Pa at 20°C. |
| Initial Boiling Point | Expected to be above 280°C. |
| Solubility in Water | Negligible. |
| Density | 810 kg/m ³ at 15°C. |
| Flash Point | 80°C (COC). |
| Flammable Limits - Upper | 10%(V/V). |
| Flammable Limits - Lower | 1%(V/V). |
| Auto-Ignition Temperature | Expected to be above 320°C. |
| Kinematic Viscosity | <7 mm ² /s at 40°C. |
| Vapour Density (Air=1) | Greater than 1. |
| Partition co-efficient, n-octanol/water | Log Pow expected to be >3. |
| Pour Point | Data not available. |

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Materials to Avoid

Strong oxidizing agents.

Hazardous Decomposition Products

Hazardous decomposition products are not expected to form during normal storage.

11. TOXICOLOGICAL INFORMATION

Basis for Assessment

Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar products.

Acute Toxicity - Oral

LD50 expected to be > 2000 mg/kg. Ingestion can lead to vomiting and aspiration into the lungs, which can result in chemical pneumonitis, which can be fatal.



Acute Toxicity - Dermal

LD50 expected to be > 2000 mg/kg.

Acute Toxicity - Inhalation

Not considered to be an inhalation hazard under normal conditions of use.

Eye Irritation

Expected to be slightly irritating.

Skin Irritation

Expected to be irritant.

Respiratory Irritation

If mists are inhaled, slight irritation of the respiratory tract may occur.

Skin Sensitisation

Not expected to be a skin sensitizer.

Carcinogenicity

Components are not known to be associated with carcinogenic effects.

Mutagenicity

Not considered to be a mutagenic hazard.

Reproductive Toxicity

Not considered to be toxic to reproduction.

Other Information

Prolonged and/or repeated contact with this product can result in defatting of the skin, particularly at elevated temperatures. This can lead to irritation and possibly dermatitis, especially under conditions of poor personal hygiene. Skin contact should be minimised. High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed. Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oils should be handled with caution and skin contact avoided as far as possible.

12. ECOLOGICAL INFORMATION

Basis for Assessment

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

Mobility

Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

Persistence / Degradability

Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment. Persists under anaerobic conditions.

Bioaccumulation

Contains components with the potential to bioaccumulate.

Ecotoxicity

Poorly soluble mixture. May cause physical fouling of aquatic organisms. Product is expected to be toxic to aquatic organisms, LL/EL50 1 -10 mg/l. (LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract).

Other Adverse Effects

Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential. Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities.



13. DISPOSAL CONSIDERATIONS

Waste Disposal

Recycle or dispose of in accordance with prevailing regulations, by a recognised collector or contractor. The competence of the contractor to deal satisfactorily with this type of product should be established beforehand. Do not pollute the soil, water or environment with the waste product.

Product Disposal

As for waste disposal.

Container Disposal

Recycle or dispose of in accordance with the legislation in force with a recognised collector or contractor.

14. TRANSPORT INFORMATION

ADG U.N. Number

3082

ADG UN Class

9

ADG Packing Group

III

ADG Hazchem Code

2X

ADG Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.* -

IMDG UN Number

3082

IMDG Hazard Class

9

IMDG Packing Group

III

IMDG Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. -

IATA UN Number

3082

IATA Hazard Class

9

IATA Packing Group

III

IATA Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. -

Packaging Method

5.9.9

15. REGULATORY INFORMATION

| | |
|------------|------|
| EC Symbols | Xn N |
|------------|------|



| | |
|------------------|--|
| EC Risk Phrase | R38 Irritating to skin. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed. |
| EC Safety Phrase | S1/2 Keep locked up and out of reach of children. S24 Avoid contact with skin. S29 Do not empty into drains. S37 Wear suitable gloves. S61 Avoid release to the environment. Refer to special instructions/safety data sheet. S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label. |
| EINECS | All components listed or polymer exempt. |

AICS (Australia)

Not all components listed.

National Legislation

National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011]

List of Designated Hazardous Substances [NOHSC:10005].

Approved Criteria for Classifying Hazardous Substances [NOHSC:1008].

Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

Australian Dangerous Goods Code.

Standard Uniform Scheduling of Drugs and Poisons.

Hazard Category

Harmful, Irritant, Dangerous for the environment

Packaging & Labelling

Contains less than 5% non-ionic surfactants. Contains kerosine. Safety data sheet available for professional user on request.

16. OTHER INFORMATION

Revisions Highlighted

16. OTHER INFORMATION - Poisons Schedule

References

For detailed advice on Personal Protective equipment, refer to the following Australian Standards :-

HB 9 (Handbook 9) Manual of industrial personal protection.

AS/NZS 1337 Eye protectors for industrial applications.

AS/NZS 1715 Selection, use and maintenance of respiratory protective devices.

AS/NZS 1716 Respiratory protective devices.

Poisons Schedule

S5.

Restrictions

This product must not be used in applications other than recommended without first seeking the advice of the SHELL technical department.

List of R Phrases in Section 2

R10 Flammable.

R38 Irritating to skin.

R65 Harmful: may cause lung damage if swallowed.

R36/38 Irritating to eyes and skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Technical Contact Numbers

(03) 9666 5444.



Further Information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not constitute a guarantee for any specific property of the product.

... **End Of SDS** ...

