

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND THE SUPPLIER

**Product Name:** DW 40  
**Recommended use:** Water Dispersant / Corrosion Inhibitor  
**Supplier:** Challenge Chemicals Australia  
**ACN:** 68 059 129 568  
**Street Address:** 6 Butcher Street  
 KWINANA  
 PERTH W.A. 6167  
  
**Telephone:** (08) 9419 5577  
**Facsimile:** (08) 9419 4958  
  
**Emergency Telephone number:** (08) 9419 5577 (7.00am to 4.30pm)  
 0419 049 003

### 2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS

**GHS Classification(s)** Flammable Liquids: Category 4  
 Aspiration Hazards: Category 1

**Signal Word:** DANGER

**Pictograms:**



**Hazard Statement(s):** H227 - Combustible liquid.  
 or doctor/physician.  
 P331 - Do NOT induce vomiting.  
 P370 + P378 - In case of fire: Use appropriate media for extinction.

**Storage Statement(s):** P403 + P235 - Store in well-ventilated place. Keep cool.  
 P405 - Store locked up.

**Disposal Statement(s):** Dispose of contents/container in accordance with relevant regulations.

**Other Hazards:** No information provided.  
 H304 - May be fatal if swallowed and enters airways.

**Prevention Statement(s):** P210 - Keep away from heat/ sparks/ open flames/ hot surfaces.  
 No smoking.  
 P280 - Wear protective gloves, clothing, eye and face protection.

**Response Statement(s):** P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTRE

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Recommended use:** Water dispersant/ corrosion inhibitor.

**Appearance:** Colourless to pale yellow liquid with mild hydrocarbon odour.

CHEMICAL ENTITY	CAS NO.	EC Number	Content
Kerosene (petroleum) Hydrosulpharised	64742-81-0	265-184-9	>60%
Naptha (petroleum) Hydrosulpharised heavy	64742-82-1	265-185-4	10-20%
Other ingredients determined to be non hazardous	Not Available	Not Available	Remainder

All the constituents of this materials are listed on the Australian Inventory of Chemical Substances (AICS).

### 4. FIRST AID MEASURES

Poison Information Centres in each State capital city can provide additional assistance for scheduled poisons. Ring 13 11 26

**Ingestion:** Immediately rinse mouth with water. Give water to drink. Do NOT induce vomiting. If vomiting occurs, place victim's face downwards, head lower than hips to prevent vomit entering lungs. Seek immediate medical assistance.

**Eye Contact:** Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical assistance if irritation persists.

**Skin Contact:** Immediately wash contaminated skin with plenty of water. For gross contamination, immediately drench with water and remove clothing. Remove contaminated clothing and wash before re-use.

**Inhalation:** Remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered.

**Important Symptoms:** See section 11 for more detailed information on health effects and symptoms.

**Notes to physician:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Fire fighting further advice:** Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion. There is a slight risk of an explosion from this product if involved in a fire.

**Suitable extinguishing media:** Carbon dioxide, dry chemical powder and foam.

**Special Hazards:** Combustible. May evolve carbon oxides and hydrocarbons when heated to decomposition.

**Hazchem Code:** None allocated.

### 6. ACCIDENTAL RELEASE MEASURES

Slippery when spilt. Contain using sand and soil – prevent runoff into drains and waterways. Use absorbent (soil or sand, inert material, vermiculite). Collect and seal in properly labeled containers for disposal. All sources of ignition must be eliminated.

Wear personal protective equipment as detailed in section 8 of the SDS.

## 7. HANDLING AND STORAGE

**Storage:** Ensure containers are adequately labelled and sealed when not in use. Store in a cool well-ventilated area away from incompatible substances, ignition or heat sources.

Before use carefully read the product label. Safe working practices are recommended.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National occupational exposure limits.**

No exposure standards entered for this product.

**Biological Limits:** No biological limits entered for this product.

As published by the National Occupational Health and Safety Commission (Worksafe Australia).

Peak limitation – a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

This exposure standard is a guide to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Engineering Measures:** Avoid inhalation. Use in well-ventilated areas or use mechanical extraction ventilation.

**Personal Protection Equipment:** Wear safety goggles, PVC or rubber gloves, coveralls and mask or respirator.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Colourless to pale yellow liquid with mild hydrocarbon odour.

Specific Gravity : 0.82

Rel Vapour Density: Not determined

Vapour Pressure : Not determined

Flash Point: >61°C

Flammability Limits: Class C1 combustible

Autoignition Temp (C): Not determined

% Volatile by Volume: 90

Solubility in Water: Insoluble

Melting Point (C): Not applicable

Boiling Point (C): 150°C - 280°C

Decomp. Point (C): Not determined

Sublimation Point: Not applicable

pH: Not determined

Viscosity: < 7mm<sup>2</sup>/s at 40°C

Evaporation Rate: Not determined

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Reactivity:** Carefully review all information provided below.

**Hazardous Polymerisation:** Will not occur.

**Conditions to Avoid:** Open flames, heat, sparks and any other ignition sources.

**Materials to Avoid:** Incompatible with acids, oxidising agents, heat and ignition sources.

**Hazardous Decomposition Products:** May evolve Oxides of Carbon and Hydrocarbons when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

**Main Symptoms:** No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

**Acute Toxicity:** Based on the available data this product is expected to be of low toxicity.

**Ingestion:** Swallowing may result in nausea, vomiting, diarrhoea and abdominal pain.

**Eye Contact:** May cause eye irritation.

**Skin Contact:** Repeated or prolonged skin contact may lead to irritant contact dermatitis.

**Inhalation:** Inhalation of mists may result in respiratory irritation.

**Sensitisation:** No sensitisation to skin or respiratory system.

**Mutagenicity Carcinogenicity and Reproductive Toxicity:** Not classified as a mutagen, carcinogen or reproductive toxin.

**Specific Target Organ Toxicity (STOT-RE & STOT-SE):** May cause irritation to the nose and throat, coughing, nervous system effects, headaches and dizziness from single exposure. Not classified as causing organ damage from repeated exposure.

**Aspiration Hazard:** Aspiration into the lungs may cause pulmonary oedema and chemical pneumonitis.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No information provided.

**Bioaccumulative Potential:** Has the potential to bioaccumulate.

**Persistence and Degradability:** Readily biodegradable.

**Mobility in Soil:** Absorbs to soil and has low mobility.

**Other adverse effects:** May be harmful to animal or plant life.

Avoid contaminating waterways.

## 13. DISPOSAL CONSIDERATIONS

Small spills may be absorbed with sand or similar materials. Alternatively, normally suitable for disposal at approved land waste site.

Dispose of waste water according to local, state and federal regulations.

## 14. TRANSPORT INFORMATION

Not Classified as Dangerous Goods according to ADG7, IATA-DGR and IMDG codes.

**Environmental Hazards:** No information provided.

**Special Precautions:** No information provided.

**Hazchem Code:** None allocated.

## 15. REGULATORY INFORMATION

**Poison Schedule:** Classified as a Schedule 5 as per SUSMP criteria.

**Inventory Listings:** All ingredients are listed in the Australian Inventory of Chemical Substances, AICS.

**Classified and User Label Information:** Classification and labelling have been performed according to regulations.

## 16. OTHER INFORMATION

### Abbreviations and Acronyms:

ADG7 -	Australian Code for the Transport of Dangerous Goods 7 <sup>th</sup> edition.
AICS -	Australian Inventory of Chemical Substance.
Cas No -	Chemical Abstracts Service Number (or CAS Registry Number).
EC Number -	European Community Number.
GHS -	Globally Harmonised System of Classification and Labelling of Chemicals.
Hazchem -	Emergency Action Code of Numbers and Letters that provide information to emergency services.
IATA-DGR -	Dangerous Goods Regulations by the International Air Transport Association.
IMDG -	International Maritime Code for Dangerous Goods.
PH -	Relates to Hydrogen Ion Concentration using a scale of 0 (High Acidic) to 14 (High Alkaline).
SDS -	Safety Data Sheet.
STOT-RE -	Specific Target Organ Toxicity (Repeated Exposure).
STOT-SE -	Specific Target Organ Toxicity (Single Exposure).
SUSMP -	Standard for the Uniform Scheduling of Medicines and Poisons.

This SDS summarises at the date of issue or best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Challenge Chemicals Australia and its subsidiaries cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

**Date of SDS Preparation:** 28/10/2016

**Edition, Revision:** Edition A, Revision 3

**Reason for Issue:** GHS Update