



## SAFETY DATA SHEET RO WI V662

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name RO WI V662

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Oxygen Scavenger

#### 1.3. Details of the supplier of the safety data sheet

Supplier REDA Oilfield UK Ltd  
Goughburn Building  
Craibstone Estate  
Bucksburn  
Aberdeen  
AB21 9TR  
Tel: +44 (0)1224 937888  
QHSE@redaoilfield.com

#### 1.4. Emergency telephone number

+44 (0)1224 937888

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Eye Irrit. 2 - H319; STOT SE 3 - H335
Environment	Not classified.

Classification (1999/45/EEC)

Xi; R36/37.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word

Warning

Hazard Statements

H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary Statements

P271	Use only outdoors or in a well-ventilated area.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/attention.
P501	Dispose of contents/container to ...

Supplementary Precautionary Statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing vapour/spray.
P264	Wash contaminated skin thoroughly after handling.

## RO WI V662

P304+340

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312

Call a POISON CENTER or doctor/physician if you feel unwell.

P337

If eye irritation persists:

P403+233

Store in a well-ventilated place. Keep container tightly closed.

P405

Store locked up.

### 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

AMMONIUM BISULPHITE		60-100%
CAS-No.: Proprietary		
Classification (EC 1272/2008)	Classification (67/548/EEC)	
EUH031	Xi;R36/37.	
Eye Irrit. 2 - H319	R31.	
STOT SE 3 - H335		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

Treat Symptomatically.

#### Inhalation

General first aid, rest, warmth and fresh air. Perform artificial respiration if breathing has stopped. Get medical attention immediately! Show this safety data sheet to the doctor in attendance.

#### Ingestion

DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions. Drink plenty of water.

#### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water.

#### Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Inhalation

No specific symptoms noted.

#### Ingestion

No specific symptoms noted.

#### Skin contact

Skin irritation.

#### Eye contact

Irritation of eyes and mucous membranes.

### 4.3. Indication of any immediate medical attention and special treatment needed

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products**

None under normal conditions.

**Unusual Fire & Explosion Hazards**

No unusual fire or explosion hazards noted.

**Specific hazards**

In case of fire, toxic and corrosive gases may be formed.

**5.3. Advice for firefighters****Special Fire Fighting Procedures**

Do not discharge into drains, water courses or onto the ground.

**Protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. Wear suitable respiratory protection. Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

**6.2. Environmental precautions**

Avoid discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Absorb spilled substance with sand or earth.

**6.3. Methods and material for containment and cleaning up**

Absorb with inert, damp, non-combustible material, then flush area with water.

**6.4. Reference to other sections**

For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

**7.1. Precautions for safe handling**

Avoid inhalation of vapours/spray and contact with skin and eyes. Do not eat, drink or smoke when using the product. Wash contaminated clothing before reuse.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry and cool place. Keep away from food, drink and animal feeding stuffs. Store in locked, well ventilated room and isolated from acids.

**Storage Class**

Unspecified storage.

**7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. Control parameters**

AMMONIUM BISULPHITE - Index: NA, CAS: 10192-30-0, EC No: 233-469-7; TLV TWA: 1 ppm (SO<sub>2</sub>)

**8.2. Exposure controls****Protective equipment****Engineering measures**

Provide adequate general and local exhaust ventilation.

**Respiratory equipment**

In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment.

**Hand protection**

Butyl rubber gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. PVC or rubber gloves are recommended. Neoprene, nitrile, polyethylene or PVC.

**Eye protection**

Wear tight-fitting goggles or face shield.

**Other Protection**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**Hygiene measures**

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

**Skin protection**

Wear apron or protective clothing in case of splashes.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Appearance** Colourless-pale yellow liquid.

**Colour** Colourless to pale yellow.

**Odour** Pungent.

**Solubility** Soluble in water.

**Initial boiling point and boiling range (°C)**

Not available.

**Melting point (°C)**

Not available.

**Relative density** 1.32 - 1.42 at 20°C

**Vapour density (air=1)**

Not available.

**Vapour pressure**

Not available.

**Evaporation rate**

Not available.

**pH-Value, Conc. Solution** 4.0 - 6.0

**pH-Value, Diluted Solution**

Not available.

**Viscosity**

Not available.

**Decomposition temperature (°C)**

Not available.

**Odour Threshold, Lower**

Not available.

**Odour Threshold, Upper**

Not available.

**Flash point (°C)**

Not available.

**Auto Ignition Temperature (°C)**

Not available.

**Flammability Limit - Lower(%)**

Not available.

**Flammability Limit - Upper(%)**

Not available.

**Partition Coefficient  
(N-Octanol/Water)**

Not available.

**Explosive properties**

Not available.

**Oxidising properties**

Not available.

### 9.2. Other information

Not applicable.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Not available.

### 10.4. Conditions to avoid

Stable under normal temperature conditions and recommended use.

### 10.5. Incompatible materials

#### **Materials To Avoid**

Acids, oxidising. Strong alkalis. Strong oxidising substances.

### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity:

#### **Acute Toxicity (Oral LD50)**

Not relevant

Based on the data available toxic effects are not expected after single oral exposure or single dermal exposure.

## SECTION 12: ECOLOGICAL INFORMATION

### **Ecotoxicity**

The product is not expected to be toxic to aquatic organisms.

### 12.1. Toxicity

Avoid releasing to the environment.

#### **Acute Fish Toxicity**

Not considered toxic to fish.

LC 50, 96 Hrs, Fish mg/l                      No data available.

### 12.2. Persistence and degradability

#### **Degradability**

The degradability of the product has not been stated.

### 12.3. Bioaccumulative potential

#### **Bioaccumulative potential**

The product is not bioaccumulating.

#### **Partition coefficient**

Not available.

### 12.4. Mobility in soil

#### **Mobility:**

The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

### 12.6. Other adverse effects

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS****General information**

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

**13.1. Waste treatment methods**

Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: TRANSPORT INFORMATION****General**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)****Transport Labels**

No transport warning sign required.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards****Environmentally Hazardous Substance/Marine Pollutant**

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Uk Regulatory References**

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

**Guidance Notes**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

**EU Legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**National Regulations**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**15.2. Chemical Safety Assessment**

A chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

**Issued By** C. Anthony

**Revision Date** 17/06/2013

**Revision** 1

**Risk Phrases In Full**

R31 Contact with acids liberates toxic gas.

R36/37 Irritating to eyes and respiratory system.

**Hazard Statements In Full**

H319 Causes serious eye irritation.

EUH031 Contact with acids liberates toxic gas.

H335 May cause respiratory irritation.

**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.