



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS # : 31521

# CERAN WR 2

Date of the previous version: 2015-07-08

Revision Date: 2015-07-29

Version 3.03

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

#### 1.1. Product identifier

<b>Product name</b>	<b>CERAN WR 2</b>
<b>Number</b>	H52
<b>Substance/mixture</b>	Mixture

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

<b>Identified uses</b>	Lubricating grease.
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#### 1.3. Details of the supplier of the safety data sheet

<b>Supplier</b>	TOTAL UK LIMITED One Euston Square 40 Melton Street. London. NW1 2FD UNITED KINGDOM Tel: +44 (0)20 7339 8000 Fax: +44 (0)20 7339 8033
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#### For further information, please contact:

<b>Contact Point</b>	Specific Product Related Info : 01977 636200
<b>E-mail Address</b>	rm.gb-msds@total.co.uk

#### 1.4. Emergency telephone number

00 33 149 00 00 49 (24h/24, 7d/7)  
TOTAL UK ltd: + 44 (0) 20 7339 8000  
For Lubricants only: TOTAL Lubricants - +44 (0)1977 636200  
For bitumen only: Total Bitumen +44 (0) 17 7272 9302

### Section 2: HAZARDS IDENTIFICATION

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

##### **REGULATION (EC) No 1272/2008**

*For the full text of the H-Statements mentioned in this Section, see Section 2.2.*

##### **Classification**

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008



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2.2. Label elements**Labelled according to** REGULATION (EC) No 1272/2008**Hazard Statements**

None

**Precautionary statements**

None

**Supplemental Hazard Statements**

EUH210 - Safety data sheet available on request

Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salt May produce an allergic reaction

2.3. Other hazards**Physical-Chemical Properties** Contaminated surfaces will be extremely slippery.**Environmental properties** Should not be released into the environment.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture**Hazardous components**

Chemical Name	EC-No	REACH Registration Number	CAS-No	Weight %	GHS Classification
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	274-263-7	01-2119492616-28	70024-69-0	<10.5	Skin Sens. 1 (H317)
Sulfonic acids, petroleum, calcium salt	263-093-9	no data available	61789-86-4	<5	Skin Sens. 1 (H317)
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	271-529-4	no data available	68584-23-6	<5	Skin Sens. 1 (H317)

**Additional information** Product containing mineral oil with less than 3% DMSO extract as measured by IP 346.**For the full text of the H-Statements mentioned in this Section, see Section 16.**

## Section 4: FIRST AID MEASURES

4.1. Description of first aid measures**General advice**

**IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.\*\*\***



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<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before reuse. High pressure jets may cause skin damage. Take victim immediately to hospital.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control centre immediately.

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

<b>Eye contact</b>	Not classified.
<b>Skin contact</b>	Not classified. May produce an allergic reaction.
<b>Inhalation</b>	Not classified. Inhalation of vapours in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	Treat symptomatically.
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## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Carbon dioxide (CO <sub>2</sub> ). ABC powder. Foam. Water spray or fog.
<b>Unsuitable Extinguishing Media</b>	Do not use a solid water stream as it may scatter and spread fire.

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

<b>Special hazard</b>	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.
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### 5.3. Precautions for fire-fighters

<b>Special protective equipment for fire-fighters</b>	Wear self-contained breathing apparatus and protective suit.
<b>Other information</b>	Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## Section 6: ACCIDENTAL RELEASE MEASURES



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

**General Information** Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

### 6.2. Environmental precautions

**General Information** Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

### 6.3. Methods and materials for containment and cleaning up

**Methods for cleaning up** Dam up. Contain spillage, and then collect with non-combustable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Collect free product with suitable mechanical means. Keep in suitable, closed containers for disposal.

### 6.4. Reference to other sections

**Personal protective equipment** See Section 8 for more detail.

**Waste treatment** See section 13.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Advice on safe handling** When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing.

**Prevention of fire and explosion** Take precautionary measures against static discharges. Ground/bond containers, tanks and transfer/receiving equipment.

**Hygiene measures** Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

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

**Technical measures/Storage conditions** Keep away from food, drink and animal feedingstuffs. Keep in a bonded area. Keep container tightly closed. Preferably keep in the original container. Otherwise, reproduce all the statutory information from the labels onto the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture.



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**Materials to avoid** Strong oxidising agents.7.3. Specific use(s)**Specific use(s)** No information available.**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1. Control parametres

**Exposure limits** Mineral oil mist:  
USA: OSHA (PEL) TWA 5 mg/m<sup>3</sup>, NIOSH (REL) TWA 5 mg/m<sup>3</sup>, STEL 10 mg/m<sup>3</sup>, ACGIH (TLV) TWA 5 mg/m<sup>3</sup> (highly refined)

**Legend** See section 16**DNEL Worker (Industrial/Professional)**

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0			0.66 mg/m <sup>3</sup> Inhalation 3.33 mg/kg bw/day Dermal	
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts 68584-23-6			3.33 mg/kg bw/day (dermal) 0.66 mg/m <sup>3</sup> (inhalation)	

**DNEL Consumer**

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0			0.33 mg/m <sup>3</sup> Inhalation 1.667 mg/kg bw/day Dermal 0.8333 mg/kg bw/day Oral	
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts 68584-23-6			1.667 mg/kg bw/day (dermal) 0.33 mg/m <sup>3</sup> (inhalation) 0.8333 mg/kg bw/day (oral)	

**Predicted No Effect Concentration (PNEC)**

Chemical Name	Water	Sediment	Soil	Air	STP	Oral
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0	1 mg/l fw 1 mg/l mw 10 mg/l or	723500000 mg/kg dw fw 723500000 mg/kg dw mw			100 mg/l	16.667 mg/kg food



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Sulfonic acids, petroleum, calcium salt 61789-86-4	1 mg/l fw 1 mg/l mw 10 mg/l or	226000000 mg/kg sediment dw fw 226000000 mg/kg sediment dw mw	271000000 mg/kg soil dw		1000 mg/l	16.667 mg/kg food
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts 68584-23-6	1 mg/l fw 1 mg/l mw 10 mg/l or	723500000 mg/kg dw fw 723500000 mg/kg dw mw	868700000 mg/kg dw		100 mg/l	16.667 mg/kg food

**8.2. Exposure controls****Occupational Exposure Controls****Engineering measures**

Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

**Personal protective equipment****General Information**

If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

**Respiratory protection**

None under normal use conditions. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respirator with combination filter for vapour/particulate (EN 14387). Type A/P1. The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

**Eye protection**

If splashes are likely to occur, wear: Safety glasses with side-shields.

**Skin and body protection**

Wear suitable protective clothing. Protective shoes or boots. Long sleeved clothing.

**Hand protection**

Hydrocarbon-proof gloves: Fluorinated rubber, Nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves.

**Environmental exposure controls****General Information**

The product should not be allowed to enter drains, water courses or the soil.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****Colour**

beige



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**Physical state @20°C****Odour****Odour Threshold**

solid  
 characteristic  
 No information available

**Property****Values****Remarks****Method****pH**

Not applicable

**Melting point/range**

No information available

**Boiling point/boiling range**

Not applicable

**Flash point**

> 200 °C  
 > 392 °F

**Evaporation rate**

No information available

**Flammability Limits in Air**

No information available

**Upper**

-

No information available

**Lower**

-

No information available

**Vapour pressure**

No information available

**Vapour density**

No information available

**Relative density**

0.9

@ 20 °C

**Density**~ 900 kg/m<sup>3</sup>

@ 20 °C

**Water solubility**

Insoluble

**Solubility in other solvents**

No information available

**logPow**

No information available

**Autoignition temperature**

> 250 °C  
 > 482 °F

ASTM E659  
 ASTM E659

**Decomposition temperature**

No information available

**Viscosity, kinematic**

No information available

**Explosive properties**

Not explosive

**Oxidising properties**

Not applicable

**Possibility of hazardous reactions**

Not applicable

**9.2. Other information**

No information available

**Section 10: STABILITY AND REACTIVITY****10.1. Reactivity****General Information**

No information available.

**10.2. Chemical stability****Stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions****Hazardous reactions**

None under normal processing.

**10.4. Conditions to Avoid**



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**Conditions to Avoid** Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.

### 10.6. Hazardous Decomposition Products

**Hazardous Decomposition Products** None under normal use. Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity Local effects Product Information

**Skin contact** . Not classified. May produce an allergic reaction.

**Eye contact** . Not classified.

**Inhalation** . Not classified. Inhalation of vapours in high concentration may cause irritation of respiratory system.

**Ingestion** . Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

#### Unknown Acute Toxicity

#### Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	LD50 > 5000 mg/kg (OECD 401)	LD50 > 2000 mg/kg (OECD 402)	
Sulfonic acids, petroleum, calcium salt	> 16000 mg/kg bw (rat)	> 4000 mg/kg (rabbit)	LC50(4h) > 1.9 mg/l (rat - aerosol)
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	> 5000 mg/kg (Rat - OECD 401)	> 5000 mg/kg bw (rabbit - OECD 402)	> 1.9 mg/l (Rat - aerosol-OECD 403)

#### Sensitisation

**Sensitisation** The supplier of one of the components contained within this formulation has indicated that they have data, which confirms that at the concentration used, no sensitisation classification is required. Not classified as a sensitizer. May produce an allergic reaction.

#### Specific effects

**Carcinogenicity**  
**Mutagenicity**  
**Reproductive toxicity**

This product is not classified carcinogenic.  
 This product is not classified as mutagenic.  
 This product does not present any known or suspected reproductive hazards.





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**Repeated Dose Toxicity****Subchronic Toxicity** No information available.**Target Organ Effects (STOT)****Target Organ Effects (STOT)** No information available.**Other information****Other adverse effects** Characteristic skin lesions (oil blisters) may develop following prolonged and repeated exposures (contact with contaminated clothing).**Section 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

Not classified.

**Acute aquatic toxicity - Product Information**

No information available.

**Acute aquatic toxicity - Component Information**

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates.	Toxicity to fish	Toxicity to microorganisms
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0	EC50 (72h) > 1000 mg/l (Pseudokirchnerella subcapitata - static)	EC50 (48h) > 1000 mg/l (Daphnia magna - static)	LL50 (96h) > 10000 mg/l (Cyprinodon variegatus - OECD 203)	
Sulfonic acids, petroleum, calcium salt 61789-86-4	EC50(72h) > 1000 mg/l (Pseudokirchnerella subcapitata)	EC50(48h) > 1000 mg/l (Daphnia magna - OECD 202)	LC50(96h) > 10000 mg/l (Cyprinodon variegatus - OECD 203)	
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts 68584-23-6	EL50(72h) > 1000 mg/l (Pseudokirchneriella subcapitata)	EL50(48h) > 1000 mg/l (Daphnia magna)	LL50(96h) > 10000 mg/l (Cyprinodon variegatus - OECD 203)	

**Chronic aquatic toxicity - Product Information**

No information available.

**Chronic aquatic toxicity - Component Information**

No information available.

**Effects on terrestrial organisms**

No information available.

**12.2. Persistence and Degradability**



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**General Information**

No information available.

12.3. Bioaccumulative potential**Product Information** No information available.**logPow** No information available  
**Component Information** No information available.12.4. Mobility in soil**Soil** Given its physical and chemical characteristics, the product has no soil mobility.**Air** Loss by evaporation is limited.**Water** The product is insoluble and floats on water.12.5. Results of PBT and vPvB assessment**PBT and vPvB assessment** No information available.12.6. Other adverse effects**General Information** No information available.**Section 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**Waste from residues / unused products** Should not be released into the environment. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.**EWC Waste Disposal No** The following Waste Codes are only suggestions: 12 01 12. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.**Section 14: TRANSPORT INFORMATION**ADR/RID not regulatedIMDG/IMO not regulatedICAO/IATA not regulated



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ADN

not regulated

## Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

Further information

15.2. Chemical Safety Assessment**Chemical Safety Assessment** No information available15.3. National regulatory information**The United Kingdom**

- Avoid exceeding occupational exposure limits (see section 8).

**Ireland**

- Avoid exceeding occupational exposure limits (see section 8).

## Section 16: OTHER INFORMATION

**Full text of H-Statements referred to under sections 2 and 3**

H317 - May cause an allergic skin reaction

**Abbreviations, acronyms**

Legend Section 8

TWA: Time Weight Average

STEL: Short Time Exposure Limit

+

Sensitiser

\*

Skin designation

\*\*

Hazard Designation

C:

Carcinogen

M:

Mutagen

R:

Toxic to reproduction

**Revision Date:** 2015-07-29**Revision Note** \*\*\* Indicates updated section.**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**



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This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

End of Safety Data Sheet