



SAFETY DATA SHEET

according to the Global Harmonized System

SDS # : 080100

CERAN XM 220

Issuing date: 2015-02-12

Revision Date: 2015-02-12

Version 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Product name	CERAN XM 220
Number	411
Substance/mixture	Mixture

Use of the Substance/Preparation

Identified uses	Lubricating grease.
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Company/Undertaking Identification

Supplier	TOTAL OIL ASIA PACIFIC PTE LTD 331 North Bridge Road #23-01 Odeon Towers Singapore 188720 Tel: +65 6879 2200 Fax: +65 6879 2204
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Importer	Oil Imports Limited 56 Whakatu Road, Whakatu Hastings 4172 NEW ZEALAND Phone: +64 (06) 871 53 25 Fax: +64 (06) 870 48 90
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For further information, please contact:

Contact Point	HSE
E-mail Address	ms.ap-sds@total.com

Emergency telephone

New Zealand: +64 9801 0034
New Zealand Poisons Information Centre: 0800 764 766
International: CHEMTREC +1 703 527 3887 (collect calls accepted)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

GHS Label elements, including precautionary statements



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Symbol(s)

Signal Word none

Hazard Statements

none

Precautionary Statements - Prevention

• none

Other hazards which do not result in classification

Contaminated surfaces will be extremely slippery.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	EC-No	Weight %
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0	274-263-7	1-8
Sulfonic acids, petroleum, calcium salt	61789-86-4	263-093-9	1-5
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	271-529-4	1-5

4. FIRST AID MEASURES

Description of necessary first-aid measures

General advice	IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Skin contact	Remove contaminated clothing and shoes. Wash skin with soap and water. Wash contaminated clothing before reuse. · High pressure jets may cause skin damage. Take victim immediately to hospital.
Inhalation	Move to fresh air.



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Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

Most important symptoms/effects, acute and delayed

Skin contact Not classified. May produce an allergic reaction. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent.

Eye contact Not classified.

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

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

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

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point See chapter 9. PHYSICAL AND CHEMICAL PROPERTIES

Suitable Extinguishing Media

Suitable Extinguishing Media Foam. Carbon dioxide (CO₂). ABC powder. Water spray or fog.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Special Hazard 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.

Advice for fire-fighters

Special protective equipment for fire-fighters Wear self-contained breathing apparatus and protective suit.

Other information



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Other information Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

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.

General Information

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.

Methods and materials for containment and cleaning up

Methods for cleaning up Dam up. Contain spillage, and then collect with non-combustible 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.

Other information

7. HANDLING AND STORAGE

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 vapors 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

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep away from food, drink and animal feedingstuffs. Keep in a banded area. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on 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 oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits Ingredients with workplace control parameters

Appropriate engineering 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.

Individual protection measures, such as personal protective equipment (PPE)

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

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.

9. PHYSICAL AND CHEMICAL PROPERTIES



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General Information

Color	amber
Physical State @20°C	solid
Odor	Characteristic

Important health safety and environmental information

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH		Not applicable	
Boiling point/boiling range		Not applicable	
Flash point		No information available	
Evaporation rate		No information available	
Flammability Limits in Air		No information available	
Vapor Pressure		No information available	
Vapor density		No information available	
Density	~ 900 kg/m ³	@ 20 °C	
Water solubility		Insoluble	
Solubility in other solvents		Soluble in many common organic solvents	
logPow		No information available	
Autoignition temperature		No information available	
Viscosity, kinematic	220 mm ² /s	@ 40 °C	
Explosive properties	Not explosive		
Oxidizing Properties	Not applicable		
Possibility of hazardous reactions	Not applicable		

Other information

Penetration index	28 - 31 mm	I-2137
Drop point	300 °C	I-396

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use

Chemical stability

Stable under recommended storage conditions.



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Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.

Materials to Avoid

Strong oxidizing agents.

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.

11. TOXICOLOGICAL INFORMATION

Acute toxicity - Product Information

Skin contact	Not classified. May produce an allergic reaction. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent.
Eye contact	Not classified.
Inhalation	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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)

Aggravated Medical Conditions Preexisting eye disorders, Skin disorders, Respiratory disorders.



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Subchronic toxicity

Subchronic toxicity No information available

Chronic toxicity

Sensitization

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.

Neurological effects

No information available.

Target Organ Effects (STOT)

No information available.

Other adverse effects

Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).

Specific effects

Carcinogenicity

This product is not classified carcinogenic.

Mutagenicity

This product is not classified as mutagenic.

Reproductive toxicity

This product does not present any known or suspected reproductive hazards

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not classified.

Acute aquatic toxicity - Product Information

No information available.

Calculation method

EC50

No information available

1.604% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

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)	



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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)	
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Chronic aquatic toxicity - Product Information

No information available

Chronic aquatic toxicity - Component Information

No information available

Effects on terrestrial organisms

No information available

Persistence and degradability

No information available.

Bioaccumulative potential

Product Information No information available.

logPow No information available

Component Information

Mobility

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

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products Should not be released into the environment. Dispose of in accordance with local regulations.



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Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ADR/RID Not regulatedIMDG/IMO Not regulatedICAO/IATA Not regulatedADN Not regulatedDOT Not regulatedTDG Not regulatedMEX Not regulated

15. REGULATORY INFORMATION

Further informationNational regulatory information

16. OTHER INFORMATION

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Revision Note: *** Indicates updated section.



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Disclaimer

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 Material Safety Data Sheet