

# 1. Identification of Substance & Company

Product name Product name Product code HSNO approval Approval description UN number Proper Shipping Name DG class Hazchem code Uses Company Details Company Address

XZIC X7000 15W-40 Not allocated Not applicable – non hazardous NA Not regulated for transport. NA NA Lubricants for diesel engines

PO Box 132316, Sylvia Park Auckland 1644

### Hazard Identification

Approval

2.

This product is not considered hazardous under the Hazardous Substances and New Organisms Act (HSNO). Classes Hazard Statements

none SYMBOLS none

Other Classifications

There are no other classifications that are known to apply. **Precautionary Statements** none

# 3. Composition / Information on Ingredients

Component	CAS/ Identification	Concentration
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	87-94%
Additive mixtures	proprietary	5-10%
1-Propene polymer with ethene	9010-79-1	0.5-1.5%
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	0.5-1.5%

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

# 4. First Aid

General Information

You should call the National Poisons Centre if you feel that you may have been harmed or irritated by this product. The number is 0800 764 766 (0800 POISON) (24 hr emergency service).

facilities	Ready access to furning water is recommended.
Exposure	
Swallowed	Do NOT induce vomiting. Give a glass of water to drink. Contact a doctor if concerned.
Eye contact	If product gets in eyes, wash material from them with running water for several minutes. If symptoms persist, seek medical advice.
Skin contact	Flush immediately with large amounts of water. Remove all contaminated clothing. Contact a doctor if experiencing symptoms
Inhaled	Generally, inhalation of fumes is unlikely to result in adverse health effects. If coughing, dizziness or shortness of breath is experienced, remove the patient to fresh air immediately. If patient is unconscious, place in the recovery position (on the side) for transport and contact a doctor.
Advice to Doctor	

Treat symptomatically



### 5. Firefighting Measures

Fire and explosion hazards:	There are no specific risks for fire/explosion for this chemical. It is not classed as flammable.
Suitable extinguishing substances:	Carbon dioxide, extinguishing powder, foam, fog sprays, water jets.
Unsuitable extinguishing substances:	Unknown.
Products of combustion:	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. May form toxic mixtures in air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures.
Protective equipment: Hazchem code:	No special measures are required. NA

### 6. Accidental Release Measures

Containment Emergency procedures	There is no current legal requirement for containment of this product. Generally the containers size will limit a large spill from occurring. If a significant spill occurs: Stop leak if safe or necessary. Isolate area. Collect spill, see below. Transfer to container for disposal. Dispose of according to guidelines below (Section 13).
Clean-up method	This product is not considered flammable or ecotoxic. Small spills do not require any special clean up method. Larger spills (e.g., greater than 10kg) should be mopped up and collected.
Disposal	Mop up and collect recoverable material into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose of only in accord with all regulations.
Precautions	No special protective clothing is normally necessary.

7.	Storage & Handling	
Storage	e	Avoid storage of harmful substances with food. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames. Avoid
Handlir	ng	contact with incompatible substances as listed in Section 10. Keep exposure to a minimum, and minimise the quantities kept in work areas. See section 8 with regard to personal protective equipment requirements.

# 8. Exposure Controls / Personal Protective Equipment

### Workplace Exposure Standards

A workplace exposure standard (WES) has not been established by WorkSafe NZ for this product. There is a general limit of 10mg/m<sup>3</sup> for dusts and mists when limits have not otherwise been established.

NZ Workplace	Ingredient	WES-TWA*	WES-STEL*
Exposure Stds (2013)	Oil mist, mineral	5mg/m <sup>3</sup>	10mg/m <sup>3</sup>

\* These workplace exposure standards are also Prescribed Exposure Standards (PES) under the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016.

#### **Engineering Controls**

In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far below the WES as practicable by applying the hierarchy of control required by the Health and Safety at Work Act (2015) and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.

# Personal Protective Equipment Eyes

Protective eyewear is not normally necessary when using this product. However, it always prudent to use protective eyewear if splashes are likely or if handling material in bulk.

SkinIf discomfort is felt (e.g., if pre-existing conditions exist, such as dermatitis, cuts or<br/>sensitive skin), gloves may be helpful. If you suffer from dermatitis type skin conditions,<br/>use gloves. Nitrile or NBR gloves are recommended. Replace frequently. Gloves should<br/>be checked for tears or holes before use.

# ZIC

# XZIC X7000 15W-40 Safety Data Sheet

### Respiratory

A respirator when airborne concentrations approach the WES (section 8). Use an organic vapour cartridge with a dust/mist filter'. If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order.

WES Additional Information Not applicable

# 9. Physical & Chemical Properties

Transparent brown liquid mild petroleum odour no data <0.1 kPa (20°C) 14.7cSt (100°C) >290°C >5 (air =1) no data not soluble in water 0.86 >200°C no data no data no data non corrosive

# 10. Stability & Reactivity

Stability Conditions to be avoided	Stable Containers should be kept closed in order to avoid contamination. Keep from extreme heat and open flames.
Incompatible groups Substance Specific Incompatibility	Strong oxidisers None known
Hazardous decomposition products Hazardous reactions	Oxides of carbon none known

# 11. Toxicological Information

Summary				
IF SWALLOWED: no known effect.				
	S: not irritating. N: does not result in skir	virritation		
		bstance has a very low vapour pressure.		
	TOXICITY: no known e			
Supportin	ig Data			
Acute	Oral	Using LD <sub>50</sub> 's for ingredients, the calculated LD <sub>50</sub> (oral, rat) for the mixture is $>5,000$ mg/kg. Data considered includes: Distillates (petroleum), hydrotreated heavy paraffinic $>15000$ mg/kg bw (rat).		
	Dermal	Using $LD_{50}$ 's for ingredients, the calculated $LD_{50}$ (dermal, rat) for the mixture is >5000 mg/kg. Data considered includes: Distillates (petroleum), hydrotreated heavy paraffinic >5000mg/kg (rabbit)		
	Inhaled	Using $LC_{50}$ 's for ingredients, the calculated $LC_{50}$ (inhalation, rat) for the mixture is >5mg/L. Data considered includes: Distillates (petroleum), hydrotreated heavy paraffinic>5.53mg/L (rat).		
	Eye	The mixture is not considered to be an eye irritant.		
	Skin	The mixture is not considered to be a skin irritant.		
Chronic	Sensitisation	No ingredient present at concentrations > 0.1% is considered a sensitizer.		
	Mutagenicity	No ingredient present at concentrations > 0.1% is considered a mutagen.		
	Carcinogenicity	No ingredient present at concentrations > 0.1% is considered a carcinogen. Highly refined base oils are non-carcinogenic.		
	Reproductive /	No ingredient present at concentrations > 0.1% is considered a		
	Developmental	reproductive/developmental toxicant.		
	Systemic Aggravation of	No ingredient present at concentrations > 1% is considered a target organ toxicant. None known		
	existing conditions			



# 12. Ecological Data

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Summary			
Highly refined base oil have a ver	ry low toxicity towards aquatic organisms. May cause physical fouling of aquatic organisms.		
Supporting Data			
Aquatic	Using EC <sub>50</sub> 's for ingredients, the calculated EC <sub>50</sub> for the mixture is > 100 mg/L Data considered includes: Distillates (petroleum), hydrotreated heavy paraffinic >100mg/L, Phosphorodithioic acid O,O-dialkyl(C=1-14) esters zinc salts LC <sub>50</sub> 1-5 mg/L (96 hr, Pimephales promelas)		
Bioaccumulation	May be bioaccumulative. Phosphorodithioic acid O,O-dialkyl(C=1-14) esters zinc salts] : BCF 3.162		
Degradability	Not considered degradable, but will biodegrade. log Kow = 3.9-6 (Estimates)		
Soil	No evidence of soil toxicity.		
Terrestrial vertebrate	Not considered ecotoxic towards terrestrial vertebrates (see acute toxicity)		
Terrestrial invertebrate	No evidence of toxicity towards terrestrial invertebrates.		
Biocidal	no data		
Environmental effect levels	No EELs are available for this mixture or ingredients		
	J J		
13. Disposal Considerations			

Restrictions	There are no product-specific restrictions, however, local council and resource consent conditions may apply, including requirements of trade waste consents.
Disposal method	Dispose of residue and solutions that cannot be reused to sewer. If this is not possible dilute with water (at least 5 times as much water) and drain.
Contaminated packaging	Rinse containers with water before disposal. Preferably re-cycle container, otherwise send to landfill or similar.

14. Tran	sport Information	1		
There are no specific restrictions for this product (not a dangerous good).				
UN number:	NA	Proper shipping name:	NA	
Class(es)	NA	Packing group:	NA	
Precautions:	NA	Hazchem code:	NA	

# 15. Regulatory Information

This substance is not considered to be hazardous under HSNO.

Specific Workplace Controls (as per HSNO approval referenced to Controls Matrix)

Key workplace requirements are:

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SDS	Not required.
Labelling	No removal of labels and/or decanting of product into other containers can occur.
Emergency plan	Not required.
Approved handler	Not required.
Tracking	Not required.
Bunding & secondary containment	Not required.
Signage	Not required.
Location test certificate	Not required.
Flammable zone	Not required.
Fire extinguisher	Not required.

Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location will depend on the classification and total quantities of other substances present in that location. Other Legislation

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, local Council Rules and Regional Council Plans.



# 16. Other Information

Abbreviations	
Approval Code	not applicable – non hazardous.
BCF	Bioconcentration Factor - The steady state concentration of a substance in an aquatic
-	organism divided by the concentration of the substance in the surrounding water.
CAS Number Ceiling	Unique Chemical Abstracts Service Registry Number Ceiling Exposure Value: The maximum airborne concentration of a biological or chemical
Cennig	agent to which a worker may be exposed at any time.
Controls Matrix	List of default controls linking regulation numbers to Matrix code (e.g. T1, 116).
EC <sub>50</sub>	Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test
	population (e.g. daphnia, fish species)
EPA	Environmental Protection Agency
HAZCHEM Code	Emergency action code of numbers and letters that provide information to emergency
1010	services, especially fire fighters
HSNO IARC	Hazardous Substances and New Organisms (Act and Regulations)
	International Agency for Research on Cancer Lower Explosive Limit
	Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).
LC <sub>50</sub>	Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population
	(usually rats)
MSDS (SDS)	Material Safety Data Sheet (or Safety Data Sheet)
PES	Prescribed Exposure Standard means a WES or a biological exposure standard that is
	prescribed in a regulation, a safe work instrument or an approval under HSNO (including
STEL	group standards). Short Term Exposure Limit - The maximum airborne concentration of a chemical or
SIEL	biological agent to which a worker may be exposed in any 15 minute period, provided the
	TWA is not exceeded
TWA	Time Weighted Average – generally referred to WES averaged over typical work day
	(usually 8 hours)
UEL	Upper Explosive Limit
UN Number	United Nations Number
WES	Workplace Exposure Standard - The airborne concentration of a biological or chemical
	agent to which a worker may be exposed during work hours (usually 8 hours, 5 days a week). The WES relates to exposure that has been measured by personal monitoring
	using procedures that gather air samples in the worker's breathing zone.
References	
Data	Unless otherwise stated comes from the EPA HSNO chemical classification information database (CCID).
EPA Transfer Gazettes	Classifications and controls assigned for specific ingredients (consolidated gazette, 2004)
WES 2013	The NZ Workplace Exposure Standards Effective from 2013, published by WorkSafe NZ
	and available on their web site - www.worksafe.govt.nz.
WES 2002	Workplace Exposure Standards published by the Occupational Safety and Health
	Service, Department of Labour, January 2002, ISBN 0-477-03660-0. These are the WES
Other References:	referred to under the Group Standard (HSNO approval) and may constitute a PES.
Other References:	Suppliers SDS
Review	
Date	Reason for review
June 2016	Not applicable – new SDS

### Disclaimer

This SDS was prepared by Datachem LTD and is based on our current state of knowledge, including information obtained from suppliers. The SDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the SDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely HSNO classifications for this SDS have been estimated based on general information from the supplier (e.g., hazard, toxicological). This SDS is copyright Datachem and must not be copied, edited or used for other than intended purpose. To contact the SDS author, email info@datachem.co.nz or phone: +64 9 940 30 80.

