



MATERIAL DATA SHEET

DIESEL LOW SMOKE

After Hours Emergency Support Contact :
National Emergency Response System on 1800 023 005

IDENTIFICATION

PRODUCT NAME:	Diesel Low Smoke	MANUFACTURES CODE:	720
U.N. NUMBER:	Not Applicable	POISONS SCHEDULE:	Not Applicable
HAZCHEM CODE:	Not Applicable	AS 1940 CLASS:	C2
DG CLASS / SUB RISK:	Not Applicable	USE:	Oil Additive

PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE:	Light Amber Liquid	VAPOUR PRESSURE	< 0.1
ODOUR:	Mild	(MM OF HG AT 25 C):	
BOILING POINT:	> 316 c	SPECIFIC GRAVITY:	0.905
PHONE:	Not Applicable	FLASH POINT:	220 c (IP 36/ ASTM D-92)
MELTING POINT:	Not Applicable	FLAMMABILITY LIMITS:	LEL Not established , UEL Not
POUR POINT:	63 c	SOULUBILITY IN WATER	Negligible
VISCOSITY @ 40 C , CST:	18.2		
VISCOSITY @ 100 C , CST :	N/A		

INGREDIENTS

CHEMICAL ENTITY (CAS NO)	PROPORTION %
REFINED MINERAL OILS	22
OTHER INGREDIENTS	78

All components are registered in accordance with the Australian Inventory of Chemical Substances .

HEALTH HAZARD INFORMATION

ACUTE: SWALLOWED:	Practically non-toxic (LD50 : greater than 2000 mg/kg)
EYE:	Practically non-irritating (Draize score : 0 to 6 or less)
SKIN:	Practically non-toxic (LD50 : greater than 2000 mg/kg) Practically non-irritating (Primary Irritation Index : greater than 0.5 but less than 3)
INHALED:	Not applicable
CHRONIC :	Refer to health effects above

TOXICITY		IRRITATION		
Oral	Dermal	Inhal.	Eye	Skin
0*	0*	NA	0*	1*

MATERIAL HAZARD CODE (MHC):

Assigned codes 0-4 with 0 indicating lowest MHC

CLASSIFICATION: NA = Not Applicable NE = Not C = Corrosive

* indicates estimated code based on testing of similar products and/or the components

FIRST AID :

SWALLOWED:	Not expected to be a problem when ingested . If uncomfortable seek medical attention.
EYE:	Flush thoroughly with water . If irritation persists , call a doctor
SKIN:	Wash contact areas with water .
INHALED:	Not expected to be a problem , but move any effected person to fresh air .
ADVICE TO DOCTOR :	Treat symptoms with reference to specific health effects identified above

PRECAUTIONS FOR USE

EXPOSURE STANDARDS:	5.00 mg/M3 suggested for oil mist (Refer Worksafe Australia Exposure Standards)
ENGINEERING CONTROLS:	No special requirements under normal conditions of use and with adequate ventilation .
PERSONEL PROTECTION:	Eye protection : Normal industrial eye protection practices should be adhered to . Skin protection : No special equipment required . However , good personal hygiene practices should always be followed .
INHALATION:	No special requirements under ordinary conditions of use and with adequate ventilation .
FLAMMABILITY LIMITS:	LEL Not established , UEL Not established

SAFE HANDLING INFORMATION

STORAGE & TRANSPORT:

UN NO. : Not Applicable

SHIPPING: Not Applicable

HAZCHEM CODE: Not Applicable

DANGEROUS GOODS: Not Applicable

CLASS/ SUBSIDIARY RISK: Not Applicable

AS 1940 CLASS: C2

SPILLS & DISPOSALS:

Contain and absorb on fire retardant treated sawdust , diatomaceous earth etc . Shovel up and dispose of at an appropriate licensed waste disposal site in accordance with current applicable laws and regulations and product characteristics at the time of disposal .

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration .

Such burning may be limited by the local authority .

In addition the product is suitable for processing by an approved recycling facility or can be disposed of at any licensed waste disposal site .

Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal .

FIRE/EXPLOSION HAZARD:

Combustible . Not flammable under conditions of use .

FLASH POINT: 220 c (IP 36/ ASTM D-92)

FLAMMABILITY LIMITS: LEL Not established , UEL Not
EXTINGUISHING MEDIA: Foam , Dry Chemical , CO2 and water fog .

SPECIAL FIRE FIGHTING PROCEDURES:

Water or dry foam may cause frothing . Use water to cool fire exposed containers . Water spray may be used to flush spills away from exposures . Prevent runoff from fire control or dilution from entering waterways , sewers or drinking water supply .

SPECIAL PROTECTIVE EQUIPMENT:

For fires in enclosed areas firefighters must use self- contained breathing apparatus .

UNUSUAL FIRE & OTHER INFORMATION: None
Reactivity Data --
STABILITY (THERMAL, STABILITY): Stable
CONDITIONS TO AVOID: Extreme Heat
INCOMPATIBILITY (MATERIALS TO AVOID): Strong Oxidisers

HAZARDOUS DECOMPRESSION PRODUCTS: Carbon Monoxide
HAZARDOUS POLYMERIZATION: Will Not Occur

TOXICOLOGICAL DATA

ORAL TOXICITY (RATS): Practically non-toxic (LD 50 : Greater than 2000 mg/kg) based on testing of similar products and/or the components .

DERMAL TOXICITY (RABBITS): Practically non-toxic (LD 50 : Greater than 2000 mg/kg) based on testing of similar products and/or the components .

INHALATION TOXICITY (RATS): Not applicable . Harmful concentrations of mists and/or vapours are unlikely to be encountered through any customary or reasonably foreseeable handling , use or misuse of this product .

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score 0 or greater, but 6 or less) based on testing of similar products and/or the components .

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index : greater than 0.5 , but less than 3) based on testing of similar products and/or the components .

SUBCHRONIC TOXICOLOGY (SUMMARY): Severely solvent refined and severely hydro treated mineral base oils have been tested at the Mobil Environmental and Health Sciences laboratory by dermal application to rats 5 day/week for 90 days at doses significantly higher than those expected during normal industrial exposure . Extensive evaluations including examinations of internal organs and clinical chemistry of body fluids , showed no adverse effects .

CHRONIC TOXICOLOGY (SUMMARY): The base oils in this product are severely solvent refined and/or severely hydro-treated . Chronic mouse skin painting studies of similar oils showed no evidence of carcinogenic effects . These results are confirmed on a continuing basis using the Mobil Modified Ames Test .

Sensitization (Summary) Representative solvent refined mineral oils have not caused skin sensitization in guinea pigs .

CONTACT POINT

NAME: Technical Manager

PHONE: 0500 501 001

DISCLAIMER:

It is believed that the information given in this bulletin is accurate at the issue date. It is offered in good faith, but without guarantee and without acceptance of responsibility for its accuracy.

Lubrimaxx pursues a policy of ongoing research and development aimed at product improvement and therefore may change the formulation, specification and characteristics of its products without notice.

It is the users responsibility to verify the current formulation, specification or characteristics of a product, and to ascertain that it is suitable for an intended use or application.

DATE : 25/08/2006