

HiChem Paint Technologies Pty.Ltd.

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**IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION**

Product Name	FISH OIL – AEROSOL	Code	FO 400
Product Use	An aerosol spray used for “touch-up” of small ferrous surfaces		
Ingredients	Name	CAS Number	Proportion w/w
	Modified Fish Oil	8016– 13 – 5	10 – <30 %
	Modified Petroleum Hydrocarbon Resin	64742 – 16 - 1	1.0 – <10 %
	Liquefied Petroleum Gas	68746 – 85 – 7	30 – <60 %
	Solvent Naphtha (Petroleum) Light Aliphatic	64742 – 89 – 8	30 – <60 %
	Toluene	108 – 88 – 3	10 – <30 %
	Additives (Non – Hazardous)	Mixture	0.1 – <1.0 %

HAZARD IDENTIFICATION

The product is classified as both **Dangerous Goods and Hazardous Substance** in accordance to ASCC

Risk Phrases R

12	Extremely Flammable Gas
48/20	Danger of serious damage to health by prolonged exposure through inhalation.
21/22	Harmful in contact with the skin and if swallowed.
36/38	Irritating to the eyes and skin.
40	Limited evidence of a carcinogenic effect
51/53/59	Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Dangerous to ozone layer.
63	Causes foetotoxicity in animals at doses which are maternally toxic.
65/66/67	Harmful. May cause lung damage if swallowed. Repeated or prolonged exposure may cause skin dryness and cracking. Vapours may cause headaches, drowsiness and dizziness.

Safety Phrases S

2	Keep out of reach of children.
7/9	Keep containers tightly closed when not in use and also in a well ventilated area.
15	Keep away from heat.
16/33	Keep away from sources of ignition. Take precautionary measures against static electricity.
20/21	When using, do not eat, drink or smoke.
23.5	Do not breathe vapours and spray mists.
24/25	Avoid skin contact and with the eyes.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
27	Take off immediately all contaminated clothing.
28.1	In contact with the skin, wash immediately soap and plenty of water.
36/37/38/39	The wearing of an Organic Vapour Respirator, Safety Glasses fitted with side – shields, Viton or PVC gloves, enclosed footwear, high temperature and anti – static clothing.
45	In case of accident, or if you feel unwell, seek medical advice immediately. Show the label where possible.
57	Use appropriate containment to avoid environmental contamination.
62	If swallowed, do not induce vomiting: seek medical advice immediately. Show the label where possible.

ADG Classification AEROSOLS – with a capacity less than 1 Litre, UN 1950, HAZCHEM 2 Y, Class 3.

SUSDP Classified as a Schedule S 5 poison.

FIRST AID MEASURES

Inhalation	If the applicator feels drowsy, dizzy, tired or experiencing headaches, remove the victim to the fresh air. Keep the victim warm and quiet until all symptoms subside.
Ingestion	Unlikely route of exposure. Give 2 glasses of clean water to drink. If any symptoms occur, DO NOT induce vomiting; seek URGENT medical attention if frothing from the mouth occurs.
Eyes	If splashed into eyes, hold eyes open, irrigate copiously with clean water for at least 15 minutes. Seek immediate medical attention if any irritation occurs.
Skin	If skin contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Seek medical attention if any irritation occurs.
First Aid Facilities	Clean Water Supply, soap or skin cleaner, barrier cream, emergency showers and eye wash stations.
Advice to Doctor	If poisoning occurs, consult with the Poisons Information Centre {Telephone 13 11 26 }. Have a copy of this material safety data sheet or label available. Treat symptomatically as systems may be delayed for several hours after exposure.

**FIRE FIGHTING MEASURES**

Extinguishing Media and Requirements	Carbon Dioxide {CO ₂ }, alcohol resistant foam, dry chemical or water spray. DO NOT use water jets. Bund area with sand to prevent run – off entering waterways and drains.
Fire Fighting Procedures & Precautions	Fire – fighters must wear Chemical Splash Suit with attached Self – Contained Breathing Apparatus and gloves. Evacuate all non fire–fighting personnel away from the area. Turn off all electricity and power supplies. Keep containers cool with water spray or water to prevent rupture or burning. Move away all containers and equipment from the direction of the fire, if safe to do so. Keep upwind.
Flammability Hazardous Decomposition Products	Extremely Flammable Gas. Flash Point = <- 25 °C On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide

**ACCIDENTAL RELEASE MEASURES**

Spills and Leaks	Contain all spills and leaks. Avoid contamination with spilt material on surfaces. Remove all sources of ignition and NO SMOKING . Wear the recommended full body impervious clothing, gloves and breathing apparatus as per AS– NZ 1715/16. Keep upwind. Absorb all spilt contents onto sand or earth.
Disposal	Collect all residues into labelled and sealed containers for disposal via special waste collection services as per local Statutory Authority requirements.
Other Precautions	Avoid contaminating waterways, drains, water courses and sewage.



HANDLING and STORAGE

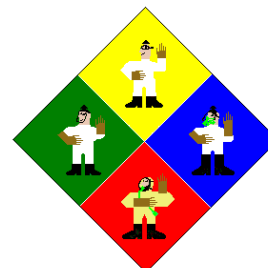
Handling	Keep out of reach of children. Avoid unnecessary contact with the material. After use before eating, drinking or smoking wash all exposed skin with soap and water.
Storage	Containers must be clearly labelled, rigid and strong. Store upright in a cool, dry, well ventilated area from heat, ignition sources and direct sunlight e.g. Flammable Goods Store as per AS 1940 requirements.

EXPOSURE CONTROLS

Exposure Standards MAK	Solvent Naphtha (Petroleum) Light Aliphatic = 100 mg/m ³ . Toluene = 190 mg/m ³ . Liquefied Petroleum Gas = 1800 mg/m ³ .
Exposure Standards STEL	Toluene = 565 mg/m ³ .
Engineering Controls	During the spray application period, ensure there is adequate ventilation at all times e.g. preferably with doors and windows open. Do not use in a confined space.

PERSONAL PROTECTION

Inhalation AS –NZS 1715/16	The wearing of an Organic Vapour Respirator should be worn at all times during the application period..
Eye AS –NZS 1337	The wearing of safety glasses fitted with side shields should be worn during the application period. Do not wear contact lenses.
Gloves AS –NZS 2161	The wearing of Viton or PVC gloves should be worn during the application period.
Footwear AS –NZS 2210	The wearing of enclosed footwear must be worn during the application period.
Clothing AS –NZS 2919	The wearing of anti–static clothing made on natural or synthetic high temperature fibre should be worn during the application period.
Hearing AS –NZS 1270	Not required.
Other Requirements	Avoid contact with eyes and skin. Avoid inhaling vapours at all times.

**PHYSICAL – CHEMICAL PROPERTIES**

Appearance	A coloured gas with a fishy type odour.	
pH	Not required.	
Vapour Pressure (Butyl Acetate = 1)	Greater than 1.0	
Boiling Point °C	Not Known	
Density	0.78 {calculated value}	
Solubility in water	Immiscible	
Flash Point °C	< - 25 °C {literature value}	
Flammability Limits	Lower Explosive Limit = 0.6 %	Upper Explosive Limit = 7.0 %
Auto Ignition °C	250 °C {literature value}	
Volatile Components	Liquid Aliphatic and Aromatic Hydrocarbons.	

STABILITY and REACTIVITY

Chemical Stability	Stable under normal conditions of use.
Conditions to avoid	Avoid contact with heat and all ignition sources.
Hazardous decomposition products	On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.
Incompatible materials	Incompatible with strong oxidizing agents
Hazardous Reactions	Will not polymerize.

TOXICOLOGICAL INFORMATION

<i>Health Effects</i>	<i>Risk Phrase</i>	<i>Solvent Naphtha (Petroleum) Light Aliphatic</i>	<i>Toluene</i>
Inhalation LC ₅₀ rat	20	>20 mgm/L	>20 mgm/L
Dermal LD ₅₀ rabbit	21	>2000 mgm/kg	>2000mgm/kg
Oral LD ₅₀ rat	22	>2000 mgm/kg	640 mgm/kg

Note

Risk phrases R20/21/22 has been assigned by the EEC Council Directive 67/548/EEC.

Risk Phrases R20/21/22 – Harmful by inhalation, skin contact or if swallowed.

Acute Oral Toxicity rat	Low toxicity. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Acute Dermal Toxicity rabbit	Low toxicity
Acute Inhalation Toxicity rat	Low toxicity. High concentrations may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of co-ordination and impaired judgement: continued inhalation may result in unconsciousness and/or death.

OTHER TOXICOLOGICAL INFORMATION**Health Effects**

Inhalation	Other symptoms may cause dizziness, nausea, coughing, lack of co – ordination and impair judgement.
Ingestion	Large quantities may cause nausea and vomiting.
Eyes	Irritating to the eyes, including burning sensation, redness, swelling and/or blurred vision.
Skin	Will have degreasing effect on the skin may result in contact dermatitis.
Carcinogenicity	Limited evidence of a carcinogenic effect.
Mutagenicity	Not mutagenic in animal studies
Reproductive Toxicity	Causes foetotoxicity in animals at doses which are maternally toxic. Does not impair fertility.

ECOLOGICAL INFORMATION

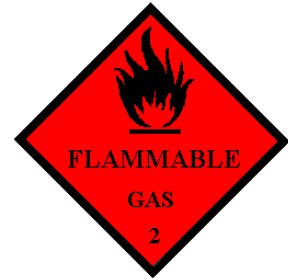
Environment	Toxic to aquatic organisms (R51). May cause long – term adverse effects in the aquatic environment (R53). Dangerous to ozone layer (R59)
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DISPOSAL CONSIDERATIONS

Collect all residues and placed into labelled and sealed containers. Do not incinerate empty containers after use. Dampen all unwanted cloths and rags in water prior to disposal. Do not recycle contents or spent containers. Crush all small empty containers. Ensure all contents do not pollute waterways, drains and other water courses.

**TRANSPORT INFORMATION**

UN number	1950		
Proper Shipping Name	AEROSOLS, capacity less than 1 Litre		
Class	2.1	Subsidiary Risk	Not Required
Packing Group	Not Assigned		
Emergency Procedures	3900	Initial Emergency Response Guide	49
HAZCHEM	2 Y		
IMDG	Not Known		

**REGULATORY INFORMATION**

SUSDP Classified as a Schedule S 5 poison.

OTHER INFORMATION

Emergency Contact **Poisons Information Centre 13 11 26** **HiChem Paint Technologies (03) 9796 3400**

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