



Eco Fix Oil Weather Shield
MATERIAL SAFETY DATA SHEET
Effective Date 03.07.2019

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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Eco Fix Oil Weather Shield
Recommended Use: Provides long term corrosion protection for metal surfaces
Company Name: Ecofixoil Limited
Address: 32 Aranui Road,
Mapua 7005
New Zealand
Website: <http://ecofixoil.co.nz>
Email: info@ecofixoil.co.nz
Phone: +64 3 970 5236

Emergency
NZ Poisons Centre: 0800 POISON (0800 764 766)
NZ Emergency Services: 111

2. HAZARDS IDENTIFICATION

Product is classified as hazardous according to Schedules 1 to 6 of the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 of the HSNO Act, 1996.

HSNO Classifications: 3.1B, 6.1E, 6.3B, 6.4A

Signal word: DANGER



H225 Flammable vapor.
H303 May be harmful if swallowed.
H316 Causes mild skin irritation.
H320 Causes eye irritation.

Prevention Statements:

P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground container and receiving equipment.
P241 Use explosion-proof equipment.
P242 Use non-sparking tools.
P243 Take precautionary measures against static discharge.P241
P264 Wash hands thoroughly after handling.
P280 Wear protective clothing, gloves and eye protection.

Response Statements:

P101 If medical advice is needed, have product container or label at hand.
P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.



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P332 + P313	If skin irritation occurs: Get medical advice.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation occurs: Get medical advice.
P370 + P378	In case of fire: Stop leak if safe to do so.
Storage Statements:	
P403 + P235	Store in a well-ventilated place.
P405	Store locked up.
Disposal Statement:	
P501	Dispose of product and containers in accordance with local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Note	CAS	Proportion %
Eco Fix Oil Weather Shield	Ingredients determined not to be hazardous		80%
Acetone	Carrier agent	67-64-1	20%

4. FIRST AID MEASURES

SWALLOWED

If swallowed, do NOT induce vomiting. Rinse mouth. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Obtain immediate medical attention.

SKIN CONTACT

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, get medical attention.

EYE CONTACT

Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Remove contact lenses if present and easy to do, after the first 5 minutes and continue rinsing. Get medical attention if irritation persists.

INHALATION

Move the victim to fresh air immediately. Keep warm and at rest until recovered. Get medical attention if symptoms continue. Begin artificial respiration if breathing has stopped. Get immediate medical attention.

FIRST AID FACILITIES

Provide eye baths and safety showers close to areas where splashing may occur.

MEDICAL ATTENTION

Treat according to symptoms. Gastric lavage may be indicated if ingested. Any product aspirated during vomiting may produce lung injury.



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5. FIRE FIGHTING MEASURES

Flashpoint: -17°C
Flammable limits: LFL : not available UFL: not available
Extinguishing media: Dry chemical or foam.

Fire & Explosion hazards:

Liquid and vapours are highly flammable. Do not breathe smoke, gases or vapours generated in a fire.

Firefighting Equipment: Full protective clothing and self-contained breathing apparatus (SCBA).

In event of fire:

- Alert Fire Bridge (111); advise the location and nature of hazard.
- Wear breathing apparatus and protective gloves.
- Shut off product that may 'fuel' a fire if safe to do so.
- If safe, switch off electrical equipment until vapour hazard removed.
- Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet.
- Prevent product and extinguishing media from escaping to drains and waterways.

Hazards from combustion products: Carbon dioxide, carbon monoxide.

Hazchem Code: 2YE

6. ACCIDENTAL RELEASE MEASURES SPILL CLEAN-UP PROCEDURES

Emergency Procedures & Containment:

Refer to "Fire Fighting Measures", "First Aid Measures" and "Stability and Reactivity".

Minor spills

- Remove or eliminate all ignition sources.
- Clean up spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Wear personal protective equipment.
- Contain and absorb small quantities with vermiculite or other absorbent material.
- Collect residues and waste material in a labelled container suitable for flammables.
- Seal container and dispose of safely.

Major spills

- Clear area of personnel and move upwind.
- Alert Fire Bridge (111); advise the location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Eliminate or isolate sources of ignition, naked lights. No smoking.
- Stop leak if safe to do so.
- Contain spill with sand, earth or vermiculite.
- Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.
- Increase ventilation.
- Water spray or fog may be used to disperse/absorb vapour.
- Use only spark-proof tools, e.g. shovels, and explosion proof equipment, e.g. pumps.
- Collect recoverable product into labeled containers for recycling.
- Absorb remaining product with sand, earth or vermiculite.
- Collect solid residues and seal in labelled drums for disposal/
- Wash area and prevent run off into drains.
- If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority.



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7. HANDLING AND STORAGE

Precautions for safe handling:

Read product label before use. This product is highly flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static discharge. Use grounding leads to avoid discharge (electrical spark) spark-free tools and equipment suitable for flammables. Do not use plastic buckets. Use outdoors or in well-ventilated area. Wear personal protective equipment. Wash hands with soap and water after handling. Wash protective clothing separate to household laundry.

Conditions for safe storage:

Keep out of reach of children. Store in a cool, dry place away from direct sunlight. This product will fuel a fire in progress. Check containers periodically for leaks or distortion.

Incompatible materials:

Natural rubber, butyl rubber, EDPM, polystyrene.

8. EXPOSURE CONTROL /PERSONAL PROTECTION

Health Exposure Standards:

A Workplace Exposure Standard (WES) have been set by Worksafe New Zealand for this product.

	WES-TWA	WES-STEL
Acetone (bio)	500 ppm (1185 mg/m ³)	1000 ppm (2375 mg/m ³)

Biological limit values: None established

Engineering Controls:

Ventilation:

Use product outdoors or in well-ventilated area. If using product in commercial or industrial situations the use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation in confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment:

Respiratory Protection: If using product in commercial or industrial situations where concentrations in air may exceed the limits described in the Workplace Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

Eye Protection: Protect eyes from splashes, aerosols or vapour. If using product in commercial or industrial situations always use safety glasses with side shield, or goggles. Avoid wearing contact lenses.

Skin/ Body Protection:

If using product in commercial or industrial situations, wear chemical resistant gloves, e.g. PVC, nitrile rubber, also safety footwear or safety gumboots, e.g. rubber. Always wear long sleeves and long trousers or coveralls; PVC apron.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Cream yellow liquid
Odour	-	Solvent
Flash Point	°C	-17°C
Specific gravity @ 20°C	g/ml	0.923
Vapour Pressure @ 20°C	mm Hg	180
Vapour Density @ 20°C	kPa	Not available
Explosive Limits in Air	%	2.2 - 13
Viscosity	cSt	Not available
Volatiles	%vol/vol	Not available
Alkalinity/acidity (as pH)	-	Not applicable

The values listed are indicative of this product's physical and chemical properties.

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable at room temperature and pressure.
Conditions to avoid:	Sources of heat and ignition, open flames.
Hazardous decomposition products:	No decomposition products except on burning. See "Fire Fighting Measures" and "Hazardous Reactions".
Hazardous reactions:	Oxidizing agents, strong alkalis, strong mineral acids, bromine.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

Will irritate throat, trachea and respiratory tract. Ingestion of small amounts may cause nausea. Ingestion of large amounts will have a narcotic effect; headaches, dizziness, euphoria, loss of appetite and possible unconsciousness. Aspiration into the lungs by ingestion or vomiting may result in chemical pneumonitis.

Eye Contact

This product may be moderately to severely irritating to eyes and may result in corneal damage if not promptly treated. Exposure to vapour concentrations of 500 -1000ppm usually is irritating to eyes.

Skin Contact

This product is mildly irritating to skin with short term contact. Prolonged or repeated exposure will increase risk of dryness and cracking of skin.

Inhalation

Vapour concentrations above 500ppm are irritating to nose and throat. Exposure to high concentrations (above 1000ppm) result in narcotic effects; possible symptoms are headaches, dizziness, loss of co-ordination, nausea, loss of appetite. In severe case loss of unconsciousness is possible.

Chronic Effects

Prolonged or repeated exposure to skin may result in irritant contact dermatitis.

Other Health Effects Information:

Exposure to this product can increase toxicity to kidneys and liver to hydrocarbon solvents such as trichloroethylene and chloroform.

Toxicological Information:

Acetone	Rat, Oral, LD50 5800 – 8400 mg/kg
	Mouse, Oral, LD50 3000 mg/kg
	Rabbit, Dermal, LD50 20,000 mg/kg
	Rat, Inhalation LC50 (4 hr) 32,000 ppm



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12. ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity:

Persistence/degradability:

Product is not identified as being ecotoxic to aquatic life.
Expected to biodegrade rapidly. Considered to have negligible bioaccumulative effects.

Mobility:

This product is highly volatile and will rapidly evaporate to air if released into water. Expected to leach readily in most soil types.

Environmental Exposure Standards: Not set.

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Empty packaging should be returned to Ecofixoil Limited for refilling or taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national, regional and local authorities. Packaging may still contain fumes and vapours that are flammable. Ensure that empty packaging is allowed to dry before disposal.

14. TRANSPORT INFORMATION

UN Number: 1090
Shipping name: Acetone
Class: 3
Packing group: II
Hazchem code: 2YE

Dangerous Goods Segregation

This product is classified as Dangerous Goods Class 3, Packing Group II.
Please consult NZS 5433:2012 Transport of Dangerous Goods on Land for information.



15. REGULATORY INFORMATION

Poison Schedule: Not scheduled



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14. OTHER INFORMATION:

Issue: 1
Date of Issue: 3rd July, 2019
Reasons for Issue: New product

Abbreviations:

CAS No	Chemical Abstracts Number
EPA	Environmental Risk Management Authority
HSNO	Hazardous Substances and New Organisms
NZIoC	New Zealand Inventory of Chemicals
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
WES	Workplace Exposure Standard

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

END OF SAFETY DATA SHEET