

AXALL®**SAFETY DATA SHEET****STATEMENT OF HAZARDOUS NATURE**

Hazardous according to the criteria of New Zealand Legislation. Hazchem Rating: 2X

COMPANY DETAILS

BAYER NEW ZEALAND LTD, PO Box 2825, 3 Argus Place, Glenfield, Auckland, New Zealand	24 HOUR EMERGENCY RESPONSE NUMBER 0800 734 607	
	NATIONAL POISONS CENTRE 0800 764 766	
	BUSINESS NUMBER 0800 428 246	FAX NUMBER 0800 800 193

IDENTIFICATION

COMMERCIAL PRODUCT NAME	AXALL® brand herbicide
PROPER SHIPPING NAME	Environmentally hazardous substance, Liquid, N.O.S. (contains Bromoxynil and Ioxynil) Marine pollutant.
MANUFACTURER PRODUCT CODE	EXP 03724
U.N. NUMBER	3082
DANGEROUS GOODS CLASS	9
HAZCHEM CODE	2X
TOXIC SUBSTANCES SCHEDULE	Poison
PACK SIZE AND CONTAINER TYPE	20L metal drum, 5L plastic jerry can (4/case)
USES	Weed control in cereals, rye grass seedcrops and in fine turf grass.

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE	Clear oily dark brown liquid with an aromatic solvent odour
BOILING POINT/MELTING POINT	> 180°C
VAPOUR PRESSURE	Not known
SPECIFIC GRAVITY	1.095 @ 20°C
FLASH POINT	67°C
FLAMMABILITY LIMITS	Not determined

SOLUBILITY• **IN WATER**

- Miscible

STABILITY AND REACTIVITY

Stable under normal conditions of use and transport

pH

4.5 approximately

EXPLOSION HAZARD

Combustible

CORROSIVE HAZARD

Non corrosive

INGREDIENTS

CHEMICAL NAME	CAS NUMBER	PROPORTION
• Mecoprop (present as the iso-octyl ester)	92147-04-7	34.5%
• Bromoxynil (present as the octanoate ester)	1689-99-2	7.5%
• Ioxynil (present as the octanoate ester)	3681-47-0	7.5%
• Aromatic solvents	68447-31-6	23.5%
• Surfactants		7.0%
• Ingredients determined not to be hazardous		20%

HEALTH HAZARDS INFORMATION**HEALTH EFFECTS****ACUTE**• **SWALLOWED**

- LD50 Oral: Rat 0.8 ml/kg
- Raised temperature, increased respiration and heart rates, sweating, disorientation and excitability.

• **EYE CONTACT**

- Causes eye irritation.

• **SKIN CONTACT**

- LD50 Dermal: Rat 2 ml/kg
- Repeated contact may cause dermatitis

• **INHALATION**

- Irritating to respiratory system.

CHRONIC

Repeated contact may cause dermatitis. Repeated exposure to phenoxy herbicides may cause liver, kidney and gastrointestinal effects.

FIRST AID

IF POISONING OCCURS: contact a doctor or the National Poisons Information Centre.

DO NOT ATTEMPT TO GIVE ANYTHING TO A SEMICONSCIOUS OR UNCONSCIOUS PERSON.

SWALLOWED

If patient is conscious give water to drink. DO NOT INDUCE VOMITING. If breathing stops apply artificial respiration. Seek medical advice immediately. Show this MSDS to a medical practitioner.

EYE CONTACT	Immediately irrigate open eye with copious quantities of water for at least 15 minutes. Seek medical advice. Show this MSDS to a medical practitioner.
SKIN CONTACT	Remove contaminated clothing. Wash affected areas with plenty of soap and water.
INHALATION	Move patient into fresh air away from contaminated area. If breathing stops apply artificial respiration. Seek medical advice. Show this MSDS to a medical practitioner.
FIRST AID FACILITIES	Ensure washing facilities are available.
ADVICE TO DOCTOR	No specific antidote. Treat symptomatically. Bromoxynil and loxynil cause reversible uncoupling of oxidative phosphorylation with consequent increased cellular metabolism. Product contains a hydrocarbon solvent. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary edema.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS	No occupational exposure standards have been established for the product or its ingredients.
ENGINEERING CONTROLS	Use in a well-ventilated area only.
PERSONAL PROTECTION	Protective clothing: full-length overalls, waterproof protective gloves, boots, goggles or face shield and a dust mask for prolonged or repeated handling. Wash facilities should be available. Wash hands, arms and face thoroughly with soap and water after use and before eating, drinking or smoking. Wash protective clothing and equipment at the end of each day.
FLAMMABILITY	Combustible. May give rise to dangerous fumes if strongly heated.
OTHER PRECAUTIONS	To be used strictly in accordance with label instructions.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

STORAGE

- **LOCATION** Store in a cool, dry, well-ventilated area away from direct sunlight.
- **SECURITY** Secure storage required to keep product away from children, animals, food, feedstuffs, seed and fertilisers.
- **FLOORING** Impermeable and designed to form a watertight basin.
- **VENTILATION** Storage area to be well ventilated.
- **TEMPERATURE CONDITIONS** Cool but frost free.
- **WEATHER/SUNLIGHT** Avoid direct sunlight.
- **CONTAINER/PACKAGE** Store in tightly sealed original container.

TRANSPORT**LAND TRANSPORT**

UN No: 3082, Hazard Class: 9, Packing Group: III, Hazchem: 2X

MARITIME TRANSPORT

UN No: 3082, Hazard Class: 9, Packing Group: III, Marine Pollutant

AIR TRANSPORT

UN No: 3082, Hazard Class: 9, Packing Group: III

SPILLS AND DISPOSAL**PERSONAL PROTECTION**

Avoid contact with eyes, skin and clothing or inhalation of product. Personal protective clothing: full length overalls, waterproof protective gloves, boots, goggles or face shield and a dust mask for prolonged or repeated handling should be worn when dealing with spills and disposals to minimise the potential for increased personal exposure.

SPILL CONTAINMENT

Deal with spillage immediately.

Keep people away and upwind of the spillage.

Contain the spill by damming, recover spilt product by absorbing with sawdust or an inert absorbent material then transfer the recovered spilt material to a properly labeled drum. Seal the drum and arrange for use or disposal.

Wash down the affected area with water. Absorb washing water with inert material and place in a properly labeled sealable container for subsequent disposal.

Warn the local water authority if contamination of drains, streams, watercourses etc is unavoidable.

Avoid contamination of ponds and waterways.

DISPOSAL

Disposal of contaminated product, waste or packaging should be by

- Burial in an approved landfill away from streams or watercourses.
- Incineration at an authorised installation OR
- As dictated by relevant Local Body regulations.

Contaminated packaging must not be used to store other products.

FIRE/EXPLOSION HAZARD**HAZARDS OF USE/STORAGE**

Combustible, flash point 67°C.

DANGEROUS DECOMPOSITION OR COMBUSTION PRODUCTS

May give rise to dangerous fumes if strongly heated.

FIRE-FIGHTING RECOMMENDATIONS

Treat as for oil fires and contain run-off.

TYPES OF EXTINGUISHER/FIRE FIGHTING AGENTS

- Carbon dioxide
- Foam
- Dry powders
- Water spray

PRECAUTIONS

Avoid skin contact and inhalation of product.

PROTECTIVE CLOTHING

Full protective clothing and self-contained breathing apparatus

REACTIVITY Stable under normal conditions of use and transport.
HAZCHEM CODE 2X

OTHER INFORMATION

TOXICITY AND ECOTOXICITY

The bromoxynil and ioxynil content of this product are harmful to birds.

- LD50 (bromoxynil octanoate): Bobwhite quail 217 mg/kg

Considered to be a marine pollutant. Care must be taken to avoid contamination of ponds and waterways.

- LC50 (bromoxynil octanoate): rainbow trout 0.15 mg/l

ENVIRONMENTAL FATE

Bromoxynil and ioxynil are degraded by hydrolysis in the soil to less toxic compounds. Their half-lives are approximately 10 days.

Axall® is a registered trademark of Bayer

DISCLAIMER

The information contained in this Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee.

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