



MSDS OF NAADCO TRIFLURALIN 480 Herbicide

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name	NAADCO TRIFLURALIN 480 Herbicide
Supplier	New Australia Agricultural Development Company Pty Limited
Address	Unit 1, 17 Powell Street, Killara, Sydney NSW 2071 Australia
Telephone	+61 2 94983675, 0425328311
Fax	+61 2 94983675
Website	www.naadco.com.au

2. HAZARDS IDENTIFICATION

This substance is hazardous according to the *Hazardous Substances (Classification) Notice 2017*

Pictograms



Toxic/Irritant Chronic Ecotoxic

Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.1D (oral)	H302	Harmful if swallowed.	Acute Tox. 4
6.3B	H316	Causes mild skin irritation.	Skin Irrit. 3
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
6.5B	H317	May cause an allergic skin reaction.	Skin Sens. 1
6.9A	H372	Causes damage to organs through prolonged or repeated exposure.	STOT RE 1
9.1A	H410	Very toxic to aquatic life with long lasting effects.	Aquatic Chronic 1
9.2A	H421	Very toxic to the soil environment.	-

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe dust.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.



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Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	Storage Statement
None allocated	

Disposal Code	Disposal Statement
P501	Wherever possible completely use material by using according to label instructions. Dispose of unwanted product and wastes from spillages as hazardous substances in accordance with local and national regulations using a licensed waste disposal company. Triple rinse containers and add rinsate to spray tank before puncturing and offering for recycling or landfill. Do not allow product to enter waterways. Do not burn product or container.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%)
Trifluralin	1582-09-8	48
Liquid Hydrocarbon	Proprietary	46
Other non-hazardous ingredients		to 100%

4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre, and follow the advice given. Show this Material Safety Data Sheet to the doctor.

Inhalation	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.
Skin contact	Remove contaminated clothing and wash before reuse. Gently wash skin with water and soap for 15 minutes or until chemical is removed. If skin irritation occurs: Get medical



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advice/ attention.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion Do NOT induce vomiting. Wash out mouth with plenty of water. Get medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Hazards from products: Fire decomposition products from this product are likely to be toxic and corrosive if inhaled.

Extinguishing Media: Carbon dioxide, dry chemical, foam, water fog.

Fire Fighting: When fighting fires involving significant quantities of this product, wear a splash suit complete with self contained breathing apparatus.

Flash point: Not flammable.

6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective clothing, gloves and eye/face protection. Evacuate all unnecessary personnel.

Environmental precautions

In the event of a major spill, prevent spillage from entering into drains and water courses.

Methods and material for containment and cleaning up

Absorb remainder in sand or other inert material. Dispose of in an authorized waste collection. Dispose as per Section 15.

7. HANDLING AND STORAGE

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Store away from incompatible materials listed in Section 10. Store in original, unopened container in cool, dry place, well ventilated place, out of direct sunlight and away from stockfeed or foodstuffs. Check packaging – there may be further storage instructions on the label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits have not been established for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper



containment systems.

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.

Skin Protection: You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious elbow-length gloves and facial protection when handling this product. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: Usually, no respirator is necessary when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Orange Liquid
pH:	Not available
Vapour density:	Not available
Boiling point:	Not available
Freezing/melting point:	Not available
Bulk Density:	Not available
Flash Point:	Not applicable
Flammability	
(explosive) limits:	Not applicable
Auto-ignition temperature:	Not available

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions of use.
Conditions to avoid	Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Avoid high temperature and fire
Incompatible materials	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds and oxides

11. TOXICOLOGICAL INFORMATION

Inhalation	Not applicable
Skin contact	Causes mild skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed.

Chronic Effects:

Carcinogenicity Not applicable.



Reproductive Toxicity Not applicable.

Germ Cell Mutagenicity Not applicable.

Aspiration Not applicable.

STOT/SE Not applicable.

STOT/RE Causes damage to organs through prolonged or repeated exposure.

12. ECOLOGICAL AND ECOTOXICOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long-term adverse effects to the aquatic environment. Very toxic to the soil environment.

Ecotoxicity

Fish	LC ₅₀ (96 hours)	rainbow trout =	0.02 – 0.06mg/L
		bluegill sunfish =	0.05 – 0.07mg/L
		channel catfish =	1.4-3.4 mg/L
Daphnia similis	LC ₅₀ (48 hours)	=	0.5-.06 mg/L

Common name: Trifluralin

Mobility:

Persistence/degradability: Moderate to high persistence in soil. Half-life time (t_{1/2}): 45 to 60 days to 6 to 8 months Subject to degradation by soil microorganisms. May be decomposed by UV light or may volatilize.

Bioaccumulative potential: Found adsorbed to soil sediments and particulates in the water columns

Toxic to fish and aquatic organisms. Toxic to Earthworms Nontoxic: Bees

Do not allow to enter waterways

13. DISPOSAL CONSIDERATIONS

Disposal Method: Triple rinse empty container and add rinsate to spray tank. Burn in an appropriate incinerator, if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill, or if appropriate, recycle.

Precautions and methods to avoid:

Avoid contamination of any water supply with product or empty container.

14. TRANSPORT INFORMATION

UN number 3082

Class and Subsidiary Risk 9

Packing Group III

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S,
(Trifluralin)

15. REGULATORY INFORMATION

Registered according to the Agricultural Chemicals Act

16. OTHER INFORMATION



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Version 1.0

Revision Date: 2020.05.26

The information contained in this MSDS is provided in good faith and is believed to be correct and the date hereof. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

Please read all labels carefully before using product.