



MATERIAL SAFETY DATA SHEET (MSDS) - Aerosol

SECTION 1 - Identity

Product: *N'viro Gold All* – Environment friendly Cutting Fluid formulated for all applications, without harming the environment

Available in:-

- 500 ml cans, 5 litre cans , 25 litre drums, 200 litre drums,
- Aerosol spray 300ml
- Cream 500ml tub
- Wax 500ml tub

Manufactured under licence by Fuloos cc T/A Duncan Macdonald & Co, Telephone: +27 11 444 4345/6/7/8/9

SECTION 2 – Composition of Ingredients

N'viro Gold All - does not contain chlorinated solvents or harmful chemicals, consists of Vegetable Esters and selected Animal fats.

30 Spectrometric analyses reported in parts per million

Magnesium	< 1
Zinc	<1
Boron	<1
Chloride	< 1
Phosphorous	<7
Sulphur content	1.4% on Mass

Hazcom 2012/GHS Classification:

Flammable Aerosol Category 1

Gas Under Pressure: Compressed Gas

Label Elements:

DANGER! Extremely Flammable Aerosol, contains gas under pressure; may explode if heated.

N'viro Gold All

Version Nr.3 - Amended

4 May 2021

Version Nr.2 - April 2013

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Prevention Keep away from heat, sparks, open flames, hot surfaces. – No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing vapours or mists. Use only outdoors or in a well-ventilated area.

Response

- If swallowed: contact a physician. Do NOT induce vomiting.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing, call a physician if you feel unwell.

Storage

Do not expose to temperatures exceeding 50 °C/122 °F, store in a well-ventilated place.

SECTION 3 – Hazardous Identification

Primary Routes of Entry: Skin, Eye, Ingestion, Inhalation.

Signs & Symptoms of exposure:

Inhalation: High levels of mist may cause irritation to respiratory system
Skin: Contact may cause irritation
Eye: May cause irritation
Ingestion: May cause gastrointestinal irritation
Acute: None Known
Chronic: None Known

SECTION 4 – First Aid Measures

Eyes: Flush eyes with water for at least 15 minutes, for skin or eye contact, see a physician/optometrist if irritation develops.
Skin: May be removed by washing with soap and warm water.
Inhalation: Expose individual to fresh air.
Ingestion: Do not induce vomiting, contact physician immediately.

For skin or eye contact, see a physician/optometrist if irritation develops

In all cases contact physician immediately



SECTION 5 – Fire Fighting Measures

Flammable: Yes—OHS Class III B
Flash point Close Cup Method: 58°C,
Extinguishing Media: Foam CO2, Dry Chemical, Sand
Special Fire Fighting Procedures: Water or foam may cause frothing if directed into containers of burning liquid, Fire fighters should wear protective clothing, adhere to all OHS regulations.

SECTION 6 – Accidental Release Measures

If material is spilled: Depending on quantity of spill, add solid absorbent, shovel or scoop into disposal container and hose or wash down area, wear protective clothing.

Personal Precautions:

Respiratory Protection: Wear protective clothing.
Ventilation: Wear protective clothing.
Protection gloves: Wear protective clothing.
Eye Protection: Wear protective clothing.
Additional Clothing: Wear properly soled shoes to avoid slipping.

Environmental Precautions: Dispose of in accordance with local, state, and federal regulations, adhere to all OHS regulations.

SECTION 7 – Handling and Storage

Handling: Wear mask in areas of misting. Wear properly soled shoes to avoid slipping.
Storage: Store away from flame, fire, and excessive heat.
Other Precautions: Do not cut, puncture, or weld on or near empty containers.
Avoid open flames: Flammable Aerosol Category 1, Gas Under Pressure: Compressed Gas.

SECTION 8 – Exposure Controls/Personal Protection

Eye Protection: Safety goggles / glasses to guard.
Skin Protection: Neoprene/Rubber gloves, option.
Respiratory Protection: Not normally needed, wear mask in misting areas
Ventilation: Not normally needed, local exhaust to prevent misting if necessary
Additional Clothing: Apron, optional against splash

At all times wear the correct protective clothing (PPE)



SECTION 9 – Exposure Controls/Personal Protection

Physical State: Liquid
Appearance: Yellow / Gold
Odor: Tea Tree
Viscosity in cSt @40°C 41.5
Solubility in Water: Insoluble
Flash point Close Cup Method: 58°C
Density: 25°C (0.925 g/cm)
pH: approx. 6.6
Vapor Density: Heavier than air
Solubility in water: Not soluble

SECTION 10 – Stability and Reactivity

Stability:	Stable at ambient temperature.
Conditions to Avoid:	Open flame, excessive heat, do not puncture the aerosol can.
Incompatibility:	Strong oxidizing agents
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will Not Occur

SECTION 11 – Toxicological Information

Positive Teratogen / Mutagen / Carcinogen (NTP):	No data available
Potential Carcinogen OSHA / IARC:	No data available

Overall Toxicity:	0
Flammability:	1
Flammability Aerosol only	2
Destructive to Eyes/Skin:	0
Absorbed through Skin:	1
Sensitizer:	0
Self-reactive:	0

SECTION 12 – Ecological Information

Disposals: Recyclable as a natural product, biodegrading is expected; observe all Government, Provincial/State, and Municipal Laws & Regulations

SECTION 13 – Disposal Considerations

Waste Disposal Method(s): Dispose of in accordance with local, state, and Government regulations.

Water Disposals: observe all Government, Provincial/State, and Municipal Laws and Regulations

SECTION 14 – Transport Considerations

Data for UN 1950, Aerosols Flammable

UN Number :-	1950
Class:-	2
Classification:-	5F

MDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY
ICAO Shipping Description: UN1950, Aerosols, flammable, 2.1
Required

SECTION 15 – Regulatory Information

VEGETABLE ESTERS

Sunflower Oil	CAS-8001-21-6, EC Nr 232-273-9
Castor Oil	CAS-8001-79-4, EC Nr 232-293-8
Soya Bean Oil	CAS-8013-07-8, EC Nr 232-274-4
Palm oil	CAS-8002-75-3, EC Nr 297-113-2

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SECTION 16 – Disclaimer

To the best of our knowledge, the information contained herein is accurate and is provided in good faith to comply with applicable laws, however, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user.

All materials may present unknown hazards and should be used with caution, although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.