



NUFARM AGRICULTURE INC.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIED BY:

Nufarm Agriculture Inc.
Ste 350, 2618 Hopewell Pl NE
Calgary, AB T1Y 7J7
Phone Number: 1-800-868-5444
Fax Number: (403) 219-2092

MANUFACTURED BY:

Nufarm Agriculture Inc.
Ste 350, 2618 Hopewell Pl NE
Calgary, AB T1Y 7J7
Phone Number: 1-800-868-5444
Fax Number: (403) 219-2092

PRODUCT:**PCP NUMBER:****DATE PREPARED:****PREPARER:****CHEMICAL FAMILY/USE:****FORMULA:****CHEMICAL SYNONYMS:****TELEPHONE NUMBERS:****Carrier**

30639

April 5, 2017

Nufarm Agriculture Inc.; Regulatory Affairs & Research Department

Adjuvant

NA

Petroleum oil and surfactant blend

24 Hour Emergency Response Number, Chemtrec, 1-800-424-9300.

For medical emergencies, ProPharma Group, 1-877-325-1840.

For product and use information, Nufarm Agriculture Inc.,
1-800-868-5444.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Values are not product specifications.

Hazardous Ingredients	% w/w	CAS NO.
Petroleum Oil	48 – 52	8042-47-5
Surfactant Blend	38 – 42	NA

Other ingredients are non-hazardous and/or proprietary.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Avoid contact with skin, eyes and clothing. Goggles or face shield and chemical resistant gloves should be worn when handling, mixing and loading. Wash concentrate from skin or eyes immediately. Avoid breathing vapours or spray mist. Avoid working in spray mist. After use, wash hands and other exposed skin thoroughly.

PRIMARY ROUTES OF EXPOSURE: Eye and skin contact, ingestion and inhalation.

4. FIRST AID MEASURES

If swallowed, call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.



NUFARM AGRICULTURE INC.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: This product contains materials that may cause severe pneumonitis if aspirated. If ingestion has occurred less than 2 hours earlier, carry out careful gastric lavage. Treat symptomatically. Treat symptomatically for skin and eye irritation.

5. FIRE FIGHTING MEASURES

FLASH POINT: > 100 C
FLAMMABLE LIMITS: N/E
EXTINGUISHING MEDIA: Foam, CO₂, dry chemical.
HAZARDOUS DECOMPOSITION PRODUCTS: May include CO, CO₂ and possibly, irritating gases.
FIRE-FIGHTING INSTRUCTIONS: Wear protective clothing and self-contained breathing apparatus. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Use safety equipment and procedures appropriate to the size of the spill. Keep potential ignition sources and unnecessary people away. Avoid runoff to natural waters and sewers. Surround and absorb spills with inert material such as perlite, clay granules, vermiculite, sand or dirt. Contain all affected material in a closed, labeled container for proper disposal. Isolate from other waste materials. Clean contaminated area such as hard surfaces with detergent and water, collecting cleaning solution for proper disposal. Large spills to soil or similar surfaces may necessitate removal of top soil.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Goggles or face shield and chemical resistant gloves should be worn when handling, mixing and loading. Wash concentrate from skin or eyes immediately. Avoid breathing vapours or spray mist. Avoid working in spray mist. After use, wash hands and other exposed skin thoroughly.
PRECAUTIONS TO BE TAKEN IN STORAGE: Store the container tightly closed in a cool, dry place away from seeds, fertilizer, plants, food, feed and all sources of heat. Do not allow water to be introduced to the contents of this container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation, packaging and use of this product. For commercial applications and/or on-farm applications consult the product label.

EYE PROTECTION: Wear goggles or face shield when handling, mixing and loading, cleanup and repair activities.
SKIN PROTECTION: Wear coveralls over normal work clothes during all activities.
HAND PROTECTION: Wear chemical resistant gloves and apron when handling, mixing and loading, cleanup and repair activities.
ADDITIONAL INFORMATION: Change contaminated clothing daily and wash before reusing. DO NOT handle product with bare hands. Chemical resistant gloves significantly reduce hand exposure. ALWAYS wear gloves for mixing/loading operations. Rinse gloves with soap and water before removal, and wash hands thoroughly before eating, smoking or drinking. Clean protective equipment daily.

EXPOSURE GUIDELINES:

Hazardous Ingredients	OSHA PEL	ACGIH TLV®	OTHER	NTP/IARC/OSHA
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NUFARM AGRICULTURE INC.

				(CARCINOGEN)
Petroleum Oil	N/E	N/E	NAp	NAp
Surfactant Blend	N/E	N/E	NAp	NAp

ENGINEERING CONTROLS: Use adequate ventilation to minimize airborne concentrations of this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear yellowish liquid
ODOR: Oily odor
pH: 4 - 7
SPECIFIC GRAVITY/DENSITY: 0.884 g/cc @ 24 C
VISCOSITY: 27 mPa(s) @ 24 C

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal use and storage conditions.
HAZARDOUS POLYMERIZATION: None known.
HAZARDOUS DECOMPOSITION PRODUCTS: None known.
INCOMPATIBILITY (MATERIALS TO AVOID): None known.
CONDITIONS TO AVOID: None known.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (Rat): > 2,000 mg/kg
 Acute Dermal LD₅₀ (Rat): > 2,000 mg/kg
 Acute Inhalation LC₅₀ (Rat): > 5.0 mg/L
 Eye Irritation: Moderately irritating
 Dermal Irritation: Moderately irritating
 Dermal Sensitization: Not a skin sensitizer.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: Avoid contamination of ponds, rivers and other water sources.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Disposal should be made in accordance with federal, provincial and local regulations. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.

Do not reuse container for any purpose. If applicable, return container in accordance with return program. If a recyclable container, dispose of at a container collection site. Contact local distributor, dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site, triple or pressure rinse the empty container adding rinsings to spray tank, and make container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

14. TRANSPORT INFORMATION



NUFARM AGRICULTURE INC.

CANADIAN TDG DESCRIPTION (Road & Rail): Not regulated. Not dangerous for transport by road/rail in Canada. Contact manufacturer for updates to transport information.

15. REGULATORY INFORMATION

WHMIS HAZARD CLASS: Exempt

WHMIS TRADE SECRET: Exempt. (This product is regulated under the Pest Control Products Act - WHMIS exempt.)

16. OTHER INFORMATION

EMERGENCY TELEPHONE NUMBERS:

For spills or transportation accidents, Chemtrec, 1-800-424-9300.

For health or environmental emergencies, ProPharma Group, 1-877-325-1840.

For product and use information, Nufarm Agriculture Inc., 1-800-868-5444.

REVISIONS:

The following has been revised since the last issue of this SDS: New

ADDITIONAL INFORMATION:

Abbreviations used throughout the SDS are: NA = Not available

N/Ap = Not applicable

N/E = None Established.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

Company and published references utilized in preparation of the SDS.

*****END OF SDS*****