

SAFETY DATA SHEET

DATE REVISED: 3/6/2015
SDS NUMBER: 10281

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ARBORCHEM NPD
DESCRIPTION: Agricultural Adjuvant

MANUFACTURER: CHEMORSE, LTD
1596 NE 58th Ave
Des Moines, IA 50313

EMERGENCY CONTACT: In the event of chemical emergencies involving a spill, leak, fire exposure, or accident involving chemicals – call **CHEMTREC (800) 424-9300**

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Causes serious eye irritation (Category 2A)
Causes mild skin irritation (Category 3)
Harmful if swallowed (Category 4)
Harmful if inhaled (Category 4)

GHS Label:



Signal Word: WARNING

Hazards Statements:

H302 – Harmful if swallowed
H316 – Causes mild skin irritation
H319 – Causes serious eye irritation
H332 – Harmful if inhaled

Precautionary Statements:

Prevention:

- P261 – Avoid breathing vapors, mist, and spray
- P264 – Wash hands, face, and other affected areas thoroughly after handling
- P270 – Do not eat, drink, or smoke when using this product
- P271 – Use only outdoors or in a well ventilated area
- P280 – Wear protective gloves, protective clothing, and eye and/or face protection

Response:

- P332 + P313 – If skin irritation occurs: Get medical advice / attention
- 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 persists: Get medical advice / attention
- P304 + P340 – Remove victim to fresh air and keep comfortable for breathing.
- P312 – Call a POISON CENTER or doctor / physician if you feel unwell
- P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell
- P330 – Rinse Mouth

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Percentage
Proprietary blend of Methyl Esters and Surfactants	N/A	100%

4. FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN: Immediately take off contaminated clothing and wash before reuse. Rinse skin immediately with plenty of water for 15-20 minutes. If skin irritation occurs, seek medical attention/advice. Call a poison control center or doctor for treatment advice.

INHALED: Remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. Call a poison control center or doctor for treatment advice.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have the person rinse mouth and sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, dry chemical, foam or carbon dioxide (CO₂)

FIRE FIGHTING PROCEDURES: Fight fire from a safe distance and protected location. Fight fire upwind to avoid hazardous vapors and decomposing products. Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Water may be ineffective in fire fighting. Use water spray/fog for cooling containers and firefighters. Notify proper authorities if liquid material enters the sewer or public waters.

FIRE FIGHTING EQUIPMENT: As with any fire, wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel

PERSONAL PROTECTIVE EQUIPMENT: For incidental releases use impermeable gloves, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with the latest OSHA and/or ANSI recommendations

ENVIRONMENTAL PRECAUTIONS: Stop spill at source. Construct temporary dikes of dirt, sand, or appropriate readily available material to prevent spreading of material. Close cap or valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate assistance

CONTAINMENT AND CLEANUP: Absorb spilled liquid with polypads or other absorbent materials. Clean up with non-combustible absorbent (such as sand or soil). Shovel up and place all spill residue in suitable containers. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal

7. HANDLING AND STORAGE

HANDLING: Follow all SDS / label precautions when using this product. Do not reuse the container.

STORAGE: Store between 40°F and 120°F. Isolate from strong oxidants

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eyewash station, safety shower, and mechanical ventilation

RESPIRATORY PROTECTION: For most conditions, no respiratory protection should be needed; however, use NIOSH/MSHA approved organic vapor respirator as necessary

EYE PROTECTION: Wear OSHA standard chemical splash goggles

SKIN PROTECTION: For brief contact, no precautions other than clean body-covering clothing should be need. Use impervious gloves such as neoprene

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, Yellow Liquid
Odor	Fatty Ester / Alcohol
pH (0.25%)	5.5 – 6.5
Freeze / Melting Point	Not Determined
Boiling Point / Range	Not Determined
Specific Gravity (20°C)	0.885 – 0.915
Flash Point	> 200°F

Color (Gardner)	4 – 7
Solubility in Water	Dispersible
Viscosity	Not Determined
Odor Threshold	Not Determined
Evaporation Rate	Not Determined
Upper / Lower Flammability Limits	Not Determined
Vapor Pressure	Not Determined
Vapor Density	Not Determined
Partition Coefficient	Not Determined
Auto-Ignition Point	Not Determined
Decomposition Temperature	Not Determined

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable at ambient temperatures and atmospheric pressure.

CONDITIONS TO AVOID: Strong oxidizing agents. Isolate from open flames and heat. Keep material away from aluminum metal, oleum and nitroform.

HAZARDOUS DECOMPOSITION: Incomplete combustion may yield carbon monoxide, carbon dioxide and other hazardous gas.

11. TOXICOLOGICAL INFORMATION

ACUTE:

LD ₅₀ Oral	Rat	> 5,000 mg/kg
LD ₅₀ Dermal	Rat	> 2,000 mg/kg

Eye – will cause severe irritation to eyes including redness, tearing, blurred vision and discomfort. An eye irritation study elicited corneal opacification and transient well-defined conjunctival irritation. All reactions had resolved between 2 and 4 days after installation.

Skin – may cause irritation to skin including defatting and dermatitis. Absorption through skin increases exposure. Prolonged exposure may cause more severe irritation such as local redness and swelling. A skin irritation study elicited well-defined dermal irritation. All reactions apart from some dryness had resolved between 4 and 12 days after application.

Inhalation – may irritate the respiratory tract and cause discomfort to nose and throat.

Ingestion – Swallowing can cause severe abdominal irritation, nausea, vomiting and diarrhea. Do not taste or swallow product.

CHRONIC: No Information Available

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: None Available

ECOTOXICOLOGICAL DATA:

LC ₅₀ 96 hours	Rainbow Trout	24 mg/L
NOE 96 hours	Rainbow Trout	4.6 mg/L
EC ₅₀ 48 hours	Daphnia magna	96 mg/L

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Do not contaminate water, food, or feed by disposal

PRODUCT DISPOSAL: P501 – Disposal of contents / container must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).

EMPTY CONTAINER: Empty containers must be handled properly due to product residue

14. TRANSPORTATION INFORMATION

SHIPPING DESCRIPTION: Not Regulated for ground transportation by US DOT

15. REGULATORY INFORMATION

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311 / 312 Hazard Categories – Acute Health Hazard

313 Reportable Ingredients – None

302 / 304 Emergency Planning – None

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65) – This product contains no chemicals known to the state of California to cause cancer or reproductive toxicity

TRACE ELEMENTS: Trace ingredients (if any) are present in < 1% concentration (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute a significant additional hazard at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), US State equivalents, and Canadian Hazardous Material Identification System Standard (CPR 4)

16. OTHER INFORMATION

REASON FOR ISSUE: Update to formatting, added toxicology results

APPROVAL BY: Mason M. Neal – Technical Services Manager

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