

SAFETY DATA SHEET

ARBORCHEM LIQUID DRIFT CONTROL

SDS DATE: 11/07/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ARBORCHEM LIQUID DRIFT CONTROL

DISTRIBUTOR: Arborchem Products Co.
ADDRESS: 943 Nixon Dr., Mechanicsburg, PA 17055
PHONE: (717) 766-6661

EMERGENCY CHEMTREC PHONE: US: 1-800-424-9300 International: 1-202-483-7616

CHEMICAL NAME: Proprietary mixture
CHEMICAL FAMILY: Anionic polyacrylamide polymer emulsion
CHEMICAL FORMULA: Mixture

PRODUCT USE: Deposition aid/drift control

SECTION 1 NOTES: None

SECTION 2: HAZARDS

GHS Ratings:

Toxicity Categories

Skin corrosion/ irritation Category 2
Eye Irritation Category 2



Signal Word: WARNING

GHS HAZARDS

H315 Causes skin irritation.
H 319 Causes serious eye irritation

DO NOT FREEZE
Product will cause a slip hazard.

GHS PRECAUTIONS

P102 Keep out of reach of children.
P103 Read label before use.
P233 Keep container tightly closed.
P234 Keep only in original container.
P261 Avoid breathing dust, fume, gas, mist, vapors or spray.
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.
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P301+312 IF SWALLOWED: Call a POISON CENTER, doctor or physician if you feel unwell.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 P337+P313 IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists: get immediate medical attention.
P332+313 If skin irritation occurs: Get medical advice or attention.
P362 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

SECTION 3: INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>
Distillates, petroleum, hydrotreated light	64742-47-8	20 – 30%
Proprietary	Proprietary	1 – 5%
Proprietary	Proprietary	1 – 5%
Proprietary	Proprietary	1 – 5%

NOTE: Product does NOT contain any pesticides or pest control agents.

SECTION 3 NOTES: These specific chemical identities and or exact percentage (concentration) of composition have been withheld as a trade secret.

CARCINOGENICITY OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION 4: FIRST AID MEASURES

Have the product container with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing for several minutes. If eye irritation persists: get immediate medical attention.

IF ON SKIN OR CLOTHING: Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water for several minutes. If skin irritation occurs: Get medical advice or attention.

IF SWALLOWED: Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: None

SECTION 5: FIRE FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION

HEALTH: 2 **FLAMMABILITY:** 1 **REACTIVITY:** 0 **OTHER:** -

IN CASE OF FIRE: Use water spray, carbon dioxide or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool by spraying with water if exposed to fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing.

HAZARDOUS DECOMPOSITION PRODUCTS: During fire conditions, oxides of carbon and nitrogen, ammonia.

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Slippery when wet. Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Flush spill area with water. Prevent liquid entering sewers. If slipperiness remains apply more dry-sweeping compound. Sweep up absorbed material and place in a chemical waste container for disposal. Spray area with water until no slipperiness remains. Wear suitable protective equipment.

SECTION 6 NOTES: Slippery when wet. Sweep up material thoroughly. Flush spill area thoroughly with water until no slipperiness remains. Wear suitable protective equipment.

SECTION 7: HANDLING AND STORAGE

HANDLING Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Avoid breathing dust, fume, gas, mist, vapors or spray. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Wear protective gloves, protective clothing, eye protection and face protection.

STORAGE: **Do not freeze.** Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.

SECTION 7 NOTES: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values

- VENTILATION:** Normal room ventilation (mechanical) or outdoor use should be satisfactory.
- RESPIRATORY PROTECTION:** Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate.
- EYE PROTECTION:** Chemical goggles. 
- SKIN PROTECTION:** Chemical gloves, long-sleeved shirts and pants. 
- OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash and safety shower should be easily accessible.
- WORK HYGIENIC PRACTICES:** Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.
- EXPOSURE GUIDELINES:** If exposed, see section 4 for acute exposure first aid.
- SECTION 8 NOTES:** None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- | | | | |
|-----------------------------------|----------------|--|-----------------------|
| APPEARANCE: | White, milky | FLAMMABLE LIMITS IN AIR, UPPER: | Unknown |
| | | (% BY VOLUME) | LOWER: Unknown |
| ODOR: | Hydrocarbon | VAPOR PRESSURE (mmHg): | @ |
| ORDER THRESHOLD: | Not known | | F: Unknown |
| | | | C: Unknown |
| PHYSICAL STATE: | Liquid | VAPOR DENSITY (AIR = 1): | @ |
| pH AS SUPPLIED: | Not applicable | | F: Unknown |
| pH (Other): | | | C: Unknown |
| INITIAL BOILING POINT: | F: Unknown | RELATIVE DENSITY: | 1.013 to 1.054 |
| | C: Unknown | | |
| BOILING POINT RANGE: | F: Unknown | EVAPORATION RATE: | Unknown |
| | C: Unknown | BASIS (butyl acetate=1): | |
| MELTING POINT: | F: Unknown | SOLUBILITY IN WATER: | Unknown |
| | C: Unknown | | |
| FREEZING POINT: | F: Unknown | PARTITION COEFFICIENT: (n-octanol/water): | Unknown |
| | C: Unknown | | |
| FLASH POINT: | F: >200 | AUTO-IGNITION TEMPERATURE: | Unknown |
| | C: >93 | DECOMPOSITION TEMPERATURE: | Unknown |
| METHOD USED: | PMCC | VISCOSITY: | @ Not determined |
| FLAMMABILITY (solid, gas): | Can burn | | F: Unknown |
| | | | C: Unknown |

SECTION 9 NOTES: Values are not product specifications.

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable Unstable

CONDITIONS TO AVOID (STABILITY): None known

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents. This material reacts slowly with iron, copper, and aluminum, resulting in corrosion and product degradation.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under fire conditions, oxides of carbon or nitrogen, ammonia.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

MIXTURE TOXICITY The acute oral (rat) and acute dermal (rabbit) LD50 values are both >10 ml/kg. This material caused moderate skin and mild eye irritation when tested in rabbits. LD50 Acute inhalation toxicity 23.00mg/L

COMPONENT TOXICITY None

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

ECOTOXICITY: No adverse environmental effects are expected with proper use and disposal of this product. Acute toxicity tests conducted using environmentally representative water gave the following results:

ALGAE TEST RESULTS

Test: Growth Inhibition (OECD 201)
Duration: 72 hr
Species: Green Algae (*Selenastrum capricornutum*) Information based on a structurally similar material.
>100 mg/l IC50

FISH TEST RESULTS

Test: Acute toxicity, freshwater (OECD 203)
Duration: 96 hr
Species: Rainbow Trout (*Oncorhynchus mykiss*)
120 mg/l LC50

Test: Acute toxicity, freshwater (OECD 203)
Duration: 96 hr
Species: Zebra Fish (*Brachydanio rerio*) Information based on a structurally similar material.
>100 mg/l LC50

INVERTEBRATE TEST RESULTS

Test: Acute Immobilization (OECD 202)
Duration: 48 hr
Species: Water Flea (*Daphnia magna*) Information based on a structurally similar material.
>100 mg/l EC50

DEGRADATION

Test: CO2 Evolution: Modified Sturm (OECD 301B)
The polymeric ingredient is not readily biodegradable. The large polymer size is incompatible with transport across biological membranes and diffusion; the bioconcentration factor is therefore considered to be zero.

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

CONTAINER DISPOSAL: Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

RCRA HAZARD CLASS: None

SECTION 13 NOTES: None

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT Shipping Description: Not Regulated

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

OTHER AGENCIES: None

SECTION 14 NOTES: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Mixture not listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Regulated

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.