

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: Shoreline Defense[®]
Chemical Name: N-(phosphonomethyl)glycine
Chemical Formula: C₆H₁₇N₂O₅P
EPA Reg. No. 42750-59-83742

Date: 09-21-15

MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION:

COMPANY NAME: Airmax[®], Inc.
COMPANY ADDRESS: 15425 Chets Way,
Armada, Michigan 48005
COMPANY TELEPHONE: Office hours (Mon - Fri)
9:00 am to 5:00 pm
(866) 424-7629
COMPANY CONTACT NAME: Main Office
EMERGENCY PHONE NUMBER: Poison Control 800-222-1222

SECTION 2: HAZARD(S) IDENTIFICATION

HEALTH HAZARDS: Warning. Mildly irritating to eyes.
PHYSICAL HAZARDS: May react with metals such as galvanized or mild steel to produce hydrogen gas which could form a highly combustible gas mixture.
ENVIRONMENTAL HAZARDS: Moderately toxic to fish and aquatic plants. May be toxic to non-target plants.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>PERCENTAGE</u>	<u>CAS NUMBER</u>
Isopropylamine Salt of Glyphosate	53.8%	38641-94-0
Inert Ingredients	46.2%	N/A

SECTION 4: FIRST-AID MEASURES

IF INHALED: Move 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 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 center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or a doctor. 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 center or doctor for treatment advice.

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

SECTION 5: FIRE-FIGHTING PROCEDURES

NATIONAL FIRE PROTECTION RATING (NFPA):

HEALTH	1
FLAMMABILITY	0
REACTIVITY	1

4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal

FLASH POINT:	Will not flash.
EXTINGUISHING MEDIA:	Use water spray, foam or dry chemical.
FIRE AND EXPLOSION HAZARD:	May decompose in fire due to releasing irritating or toxic gases including carbon monoxide, nitrogen oxides and phosphorous oxides.
FIRE FIGHTING INSTRUCTIONS:	Evacuate area and fight fire upwind from a safe distance. Approach from upwind to avoid hazardous vapors and decomposition products. A foam or dry chemical fire extinguishing system is recommended to prevent environmental damage from excessive water run off.
FIREFIGHTING EQUIPMENT:	Self-contained breathing apparatus with full face piece. Wear full firefighting turn-out gear (Bunker gear).

SECTION 6: ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILLS OR LEAKS: Clean up spills immediately, observing precautions in Section 8 of this document. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

SMALL SPILL: Absorb spill with inert material such as dry sand, vermiculite or fuller's earth, then place in a chemical waste container.

LARGE SPILL: Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify and scrape up for disposal. After removal, scrub the area with detergent and water and neutralize with dilute alkaline solutions of soda ash or lime.

Do not allow washwaters to enter waterways.

SECTION 7: HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

HANDLING:	Use only in a well-ventilated area. Wear appropriate safety equipment when handling.
STORAGE:	Store in original container with lid tightly closed. Keep away from food, feed and drinking water. Store above 15°F(-10°C). If crystallized, warm to 80-90°F and redissolve by shaking container before using product.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

EXPOSURE LIMITS (8 HOUR TWA, PPM):

<u>COMPONENT</u>	<u>OSHA PEL</u>	<u>ACIGH TLV</u>
Isopropylamine Salt of Glyphosate	Not Est.	Not Est.

ENGINEERING CONTROLS:

To keep exposure to airborne contaminants below exposure limits, proper ventilation is required when handling or using this product. Local mechanical exhaust ventilation may be required. Facilities storing or using this material should be equipped with an eyewash facility and a safety shower.

PERSONAL PROTECTIVE EQUIPMENT:

EYEWEAR:	Safety goggles are recommended when mixing, loading or cleaning equipment.
CLOTHING:	Wear long-sleeved shirt and long pants and shoes plus socks.
GLOVES:	Waterproof gloves are recommended when mixing, loading or cleaning equipment.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear yellow, viscous liquid
ODOR:	Slight amine odor
PH:	4.62
MELTING/BOILING POINT:	Not applicable
FLASH POINT:	N/A
EVAPORATION RATE:	No data
FLAMMABILITY:	Not Flammable
FLAMMABILITY LIMITS:	Not applicable
VAPOR PRESSURE:	25 mmHg a 24 C
VAPOR DENSITY:	Not applicable
DENSITY:	1.15 - 1.21 g/ml (9.60-10.10 lb/gl)
SOLUBILITY:	Emulsifies
PARTITION COEFFICIENT:	log Pow - <3.2 @ 25 C (glyphosate)
AUTO-IGNITION TEMPERATURE:	No data
DECOMPOSITION TEMPERATURE:	No data
VISCOSITY:	Not available

* Listed density is an approximate value and does not necessarily represent that of a specific batch.

SECTION 10: STABILITY AND REACTIVITY

PRODUCT REACTIVITY:	May react with metals such as galvanized or mild steel to produce hydrogen gas which could form a highly combustible gas mixture.
CHEMICAL STABILITY:	Product is normally stable. However, product may decompose if heated.
HAZARDOUS REACTION/POLYMERIZATION:	Product will not undergo polymerization.
CONDITIONS TO AVOID:	Avoid temperatures above 115°F (46°C) and below 25°F (-5°C)
INCOMPATIBLE MATERIALS:	Strong oxidizers or bases, mild and galvanized steel.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, Nitrogen oxides, phosphorus oxides due to thermal breakdown.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY ORAL LD50 (RAT):	> 5,000 mg/kg
ACUTE DERMAL TOXICITY DERMAL LD50 (RAT, MALE):	> 5,000 mg/kg
ACUTE INHALATION TOXICITY INHALATION LC50 (RAT):	> 4.2 mg/L
EYE IRRITANT:	None to Slight
SKIN IRRITATION:	None to Slight
SENSITIZATION GUINEA PIG:	Non-Sensitizer
CARCINOGENICITY:	IARC: Not listed NTP: Not listed OSHA: Not listed
DEVELOPMENTAL TOXICITY/TERATOGENICITY:	Effects on offspring only noted with maternal toxicity.
MUTAGENICITY:	No evidence of mutagenic effects during in vivo or in vitro studies..

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

ENVIRONMENTAL FATE: (Glyphosate acid)	Bioaccumulation Soil Half-life Water Half-life	Whole fish BCF <1 2-174 days (absorbs strongly to soil) <7 days
FISH TOXICITY: (Glyphosate acid)	96 hour LC50, Rainbow trout 96 hour LC50, Bluegill	< 1,000 mg/L < 1,000 mg/L
AVIAN TOXICITY: (Glyphosate acid)	Dietary LC50, Bobwhite quail Dietary LC50, Mallard Duck	> 4,600 mg/kg > 4,600 mg/kg
BEE TOXICITY: (Glyphosate acid)	Contact LD50	<100 ug/bee

SECTION 13: DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL:

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures. Emptied container retains vapor and product residue.

CONTAINER DISPOSAL:

NON-REFILLABLE CONTAINERS:

Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

FOR REFILLABLE CONTAINERS:

Refill this container with glyphosate only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler.

If the container cannot be refilled, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning, stay out of smoke.

SECTION 14: TRANSPORTATION INFORMATION

SHIPPING DESCRIPTION:	Not regulated by DOT.
DOT HAZARD CLASS:	N/A
UN NUMBER:	N/A
DOT PACKING GROUP:	N/A

SECTION 15: REGULATORY INFORMATION

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III STATUS:

311/312 HAZARD CATEGORIES: Immediate Health
313 REPORTABLE INGREDIENTS: None known

CALIFORNIA PROP 65 STATUS: Not listed

TSCA INVENTORY: All components listed on US EPA TSCA Inventory

SECTION 16: OTHER INFORMATION

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 CPR.

DISCLAIMER:

Airmax®, Inc (the Company) warrants that this product conforms to the chemical description on the label in all material respects and is reasonably fit for the purpose referred to in the directions for use, subject to the exceptions noted below, which are beyond the Company's control. To the extent consistent with applicable law, the Company makes no other representation or warranty, express or implied, concerning the product, including no implied warranty of merchantability or fitness for a particular purpose. No such warranty shall be implied by law, and no agent or representative is authorized to make any such warranty on the Company's behalf.

To the extent consistent with applicable law, the exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages, and in no event shall damages or any other recovery of any kind exceed the price of the product which caused the alleged loss, damage, injury or other claim. To the extent consistent with applicable law, under no circumstances shall the Company be liable for any special, indirect, incidental or consequential damages of any kind, including loss of profits or income, and any such claims are hereby waived. Some states do not allow the exclusion or limitation of incidental or consequential damages.