

# MATERIAL SAFETY DATA SHEET FOR DEBUG TURBO

## 1- PRODUCT IDENTIFICATION

**PRODUCT NAME:** DEBUG TURBO  
**DESCRIPTION:** BOTANICAL INSECTICIDE FORMULATION  
**CHEMICAL NAME:** COLD PRESSED NEEM OIL AND AZADIRACHTIN BASED AGRICULTURAL SPRAY  
**CHEMICAL FAMILY:** TRITERPENOIDS

## 2- COMPOSITION / INGREDIENTS INFORMATION

Component	CAS#	WT.%	OSHA PEL	TWA	TLV'S	STEL
FATS AND GLYCERIDIC OILS, MARGOSA	8002-65-1	65.80	N/A	N/A		N/A
AZADIRACHTIN	11141-17-6	0.70	N/A	N/A		N/A
OTHER INGREDIENTS		33.50	N/A	N/A		N/A

## 2-a- HAZARDOUS COMPONENTS

NONE AS PER 29 CFR PART 1910.1200 or SARA 313

THIS PRODUCT IS INTENDED FOR USE AS AN ANTIFEEDANT, INSECT REPELLENT, GROWTH REGULATOR AND AS A PESTICIDE TO CONTROL INSECTS ON AGRICULTURAL CROPS. THIS PRODUCT SHOULD NOT POSE ANY HEALTH CONCERNS IF USED IN ACCORDANCE WITH THE LABEL DIRECTIONS.

## 3- PHYSICAL DATA

**APPEARANCE:** DARK BROWN LIQUID  
**SOLUBILITY IN WATER:** DISPERSIBLE  
**BOILING POINT:** >300°F  
**MELTING POINT:** LIQUID AT NORMAL TEMPERATURES  
**DENSITY:** 0.8974  
**FLASH POINT:** 95°C (203°F)  
**pH:** 4.0 TO 5.0  
**STORAGE STABILITY:** STABLE AT ROOM TEMPERATURE FOR 24 MONTHS.

## 4- FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** NA  
**FLAMMABLE LIMITS:** NA  
**EXTINGUISHING MEDIA:** WATER, CO<sub>2</sub>, POLYMER FOAM  
**SPECIAL PROCEDURES FOR FIRE FIGHTING:** FIRE FIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.  
**UNUSUAL HAZARDS:** FLAMMABLE LIQUID. KEEP AWAY FROM OPEN FLAME, HEAT OR SPARKS.  
**NFPA HAZARD CLASSIFICATION:** HEALTH HAZARD 1      FIRE HAZARD 3  
REACTIVITY      0

## 5- HEALTH HAZARD DATA

**CARCINOGENICITY:** NTP: NO IARC: NO      Z LIST: NO      OSHA REG: NO

**EFFECTS OF OVEREXPOSURE:** NOT KNOWN  
**TARGET ORGANS:** NONE IDENTIFIED  
**ROUTES OF ENTRY:** INHALATION, INGESTION, SKIN CONTACT, EYE CONTACT, ABSORPTION.

## TOXICOLOGICAL INFORMATION:

ORAL LD<sub>50</sub> = >5000 mg/kg; DERMAL LD<sub>50</sub> = >2000 mg/kg; INHALATION LC<sub>50</sub> = >1.34 mg/liter  
 DERMAL IRRITATION= Non Irritant; ACUTE EYE IRRITATION= Non Irritant; SKIN SENSITIZATION: Non sensitizer

ETHANOL HAS BEEN SHOWN TO BE A DEVELOPMENTAL TOXIN FROM CHRONIC INGESTION. SUCH EFFECTS ARE NOT ANTICIPATED FROM THE APPROPRIATE USE OF THIS PRODUCT.

## PRECAUTIONARY LABELLING

### SIGNAL WORD- CAUTION

HARMFUL IF ABSORBED THROUGH SKIN OR IF INHALED. CAUSES MODERATE EYE IRRITATION. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. AVOID BREATHING SPRAY. REMOVE CONTAMINATED CLOTHING AND WASH CLOTHING BEFORE REUSE. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

DO NOT APPLY DIRECTLY TO WATER, OR TO AREAS WHERE SURFACE WATER IS PRESENT OR TO INTERTIDAL AREAS BELOW THE MEAN HIGH WATER MARK. DO NOT CONTAMINATE WATER WHEN CLEANING EQUIPMENT OR DISPOSING OF EQUIPMENT WASH WATERS OR RINSATE. THIS PRODUCT IS TOXIC TO FISH AND AQUATIC INVERTIBRATES

### EMERGENCY AND FIRST AID PROCEDURES:

IF ON SKIN OR CLOTHING: TAKE OFF CONTAMINATED CLOTHING. RINSE SKIN IMMEDIATELY WITH WITH PLENTY OF WATER FOR 15-20 MINUTES. CALL A POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVICE.

IF INHALED: REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING CALL 911 OR AN AMBULANCE, THEN GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH TO MOUTH, IF POSSIBLE. CALL A POISON CONTROL CENTER OR DOCTOR FOR FURTHER TREATMENT ADVICE.

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#### 6- REACTIVITY DATA

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STABILITY:	STABLE
CONDITIONS TO AVOID:	NONE DOCUMENTED
INCOMPATIBLES:	NONE
POLYMERIZATION:	WILL NOT OCCUR
DECOMPOSITION PRODUCTS:	CARBON MONOXIDE

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#### 7- SPILL AND LEAK PROCEDURES

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STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE:

TAKE UP WITH SAND OR OTHER ABSORBANT MATERIAL AND PLACE IN CONTAINER FOR LATER DISPOSAL. WASH DOWN THE AREA WITH WATER

#### DISPOSAL PROCEDURE:

BURY OR INCINERATE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

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#### 8-PROTECTIVE EQUIPMENT

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VENTILATION:	USE ADEQUATE GENERAL LOCAL EXHAUST VENTILATION TO KEEP VAPOR OR MIST LEVELS AS LOW AS POSSIBLE.
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RESPIRATORY PROTECTION:	NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, USE AN APPROPRIATE RESPIRATOR OR DUST MASK.
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EYE/ SKIN PROTECTION:	SAFETY GOGGLES, CHEMICAL RESISTANT GLOVES, COVERALLS, SHOES AND SOCKS.
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#### 9- STORAGE AND HANDLING PRECAUTIONS

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SPECIAL PRECAUTIONS:	KEEP CONTAINER TIGHTLY CLOSED. STORE IN A COOL AND DRY PLACE. SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA. AVOID PERSONAL CONTACT AND HANDLE WITH CARE IN ACCORDANCE WITH GOOD INDUSTRIAL PRACTICES.
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#### 10- TRANSPORTATION DATA

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DOT SHIPPING NAME:	N/A
TECHNICAL SHIPPING NAME:	NEEM OIL
DOT HAZARD CLASS:	N/A
UN NUMBER:	N/A
DOT LABEL:	NONE
DOT PLACARD:	NONE

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#### 11- DISPOSAL DATA

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DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE AND DISPOSAL.

PESTICIDE STORAGE: KEEP IN ORIGINAL PACKAGING IN COOL AND DRY PLACE AWAY FROM SUNLIGHT AND FOODSTUFFS. DO NOT REFRIGERATE.

FOR COMMERCIAL AGRICULTURAL USE:

PESTICIDE DISPOSAL: WASTES RESULTING FROM THE USE OF THIS PRODUCT MAY BE DISPOSED OF ON-SITE OR AT AN APPROVED WASTE DISPOSAL FACILITY.

CONTAINER DISPOSAL: Nonrefillable Container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

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#### 12- LABEL DATA

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LABEL NAME:	DEBUG TURBO
LABEL ADDRESS:	AGRO LOGISTIC SYSTEMS, INC. 555 W. LAMBERT ROAD, UNIT-N BREA, CA 92821 USA
LABEL TELEPHONE:	714-990-9220
LABEL FAX:	714-990-9222
LABEL e-mail:	info@agrologistic.com

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