

# MATERIAL SAFETY DATA SHEET



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DATE: 2/19/2009  
TRADE NAME: OVOCONTROL

## 1. PRODUCT IDENTIFICATION

NA = NOT APPLICABLE, ND = NOT DETERMINED

***** N.F.P.A *****	
DEGREE OF HAZARD	EMERGENCY HAZARD RATING
4 = EXTREME	HEALTH < 0 >
3 = HIGH	FIRE < 0 >
2 = MODERATE	REACTIVITY < 0 >
1 = SLIGHT	SPECIFIC HAZARD < >
0 = INSIGNIFICANT	

TRADE NAME: OVOCONTROL  
CHEMICAL NAME: NICARBAZIN  
FORMULA: C19H18N6O6  
MOLECULAR WT.: 426.38  
SYNONYMES: NOT DETERMINED

## 2. INGREDIENTS

INGREDIENTS (CAS NO.)	WT PCT (APPROX)	PEL MG/M3 PPM	TLV (TWA) MG/M3 PPM
NICARBAZIN (330-95-0)	0.5%	ND	ND

THE TLV'S ARE GIVEN FOR GUIDANCE; LOCAL APPLICABLE REGULATIONS SHOULD ALWAYS BE FOLLOWED. INGREDIENTS ARE THOSE PRESENT AT 1% OR GREATER, OR AT 0.1% OR GREATER IF LISTED AS POTENTIAL CARCINOGENS BY OSHA/IARC/NTP. PROPRIETARY INGREDIENT IDENTITIES ARE AVAILABLE IN ACCORDANCE WITH 29 CFR 1910.1200.

CARCINOGEN: NTP - NO  
IARC - NO  
OSHA - NO

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### 3. PHYSICAL AND CHEMICAL CHARACTERISTICS

D = DECOMPOSES

BOILING POINT, 760 MM HG (DEG C):	NA
MELTING/FREEZING POINT (DEG C):	NA
SPECIFIC GRAVITY (WATER = 1):	NA
VAPOR PRESSURE (MM HG):	NA
VAPOR DENSITY (AIR = 1):	NA
WATER SOLUBILITY (% BY WT):	PRACTICALLY INSOLUBLE
VOLATILES (% BY WT):	NA
EVAPORATION RATE (BUTYL ACETATE = 1):	NA
PH OF SOLUTION:	NA

APPEARANCE/ODOR: ODORLESS, YELLOW TO TAN PELLETS

### 4. PHYSICAL HAZARD DATA

AS WITH MOST ORGANIC SOLIDS, FIRE IS POSSIBLE AT ELEVATED TEMPERATURES OR BY CONTACT WITH AN IGNITION SOURCE.

FLASH POINT (DEG C):	NA
TEST METHOD:	NA
FLAMMABLE LIMITS (% BY VOL):	NA
AUTOIGNITION TEMP (DEG C):	NA

EXTINGUISHING MEDIA: USE ANY SUITABLE MEANS TO EXTINGUISH SURROUNDING FIRE, FOAM OR DRY CHEMICAL PREFERRED. WATER SPRAY MAY BE USED.

SPECIAL FIRE FIGHTING PROCEDURES: USE NIOSH APPROVED SELF-CONTAINED BREATHING APPRATUS WITH FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE. WEAR PROTECTIVE CLOTHING APPROPRIATE TO THE SURROUNDING FIRE.

UNUSUAL FIRE OR EXPLOSION HAZARDS: FINE DUST DISPERSED IN AIR IN SUFFICIENT CONCENTRATIONS AND IN THE PRESENCE OF AN IGNITION SOURCE IS A POTENTIAL DUST EXPLOSION HAZARD.

### 5. REACTIVITY DATA

THERMAL STABILITY: STABLE UNDER ORDINARY CONTITIONS OF USE AND STORAGE. COMPLEX IS SLOWLY DECOMPOSED BY TRITURATION WITH WATER, OR MORE RAPIDLY BY DILUTE AQUEOUS ACIDS.

INCOMPATIBILITY: SEE STABILITY.

CONDITIONS TO AVOID: NOT DETERMINED

HAZARDOUS POLYMERIZATION: NOT DETERMINED

HAZARDOUS DECOMPOSITION PRODUCTS: DURING FIRE CONDITIONS MAY EMIT TOXIC FUMES OF NITROGEN OXIDES, CARBON MONOXIDE, AND CARBON DIOXIDE.

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### 6. HEALTH HAZARD INFORMATION

#### EFFECTS OF OVEREXPOSURE:

SYMPTOMS OF INGESTION: NON-TOXIC.

SYMPTOMS OF INHALATION: DUST MAY BE IRRITATING TO NASAL PASSAGES AND THROAT.

SYMPTOMS OF EYE CONTACT: MAY CAUSE MECHANICAL IRRITATION.

CHRONIC EXPOSURE: NOT DETERMINED.

#### TOXICITY DATA:

TOXICITY: LD50: 25 G/KG (MICE)

### 7. EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: IMMEDIATELY, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS APART. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE.

INHALATION: REMOVE TO FRESH AIR. KEEP WARM AND QUIET. CONSULT A PHYSICIAN FOR ANY BREATHING DIFFICULTIES.

INGESTION: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DILUTE BY GIVING PATIENT SEVERAL GLASSES OF WATER. IF LARGE QUANTITIES WERE SWALLOWED, CONSULT A PHYSICIAN.

NOTES TO PHYSICIAN: TAKE APPROPRIATE ACTION TO COUNTERACT SYMPTOMS.

### 8. INDUSTRIAL HYGIENE AND OCCUPATIONAL CONTROL PROCEDURES

VENTILATION: A SYSTEM OF LOCAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURE BELOW THE AIRBORNE EXPOSURE LIMITS. LOCAL EXHAUST IS USUALLY PREFERRED BECAUSE IT CONTROLS THE EMISSION AT ITS SOURCE, PREVENTING DISPERSION OF IT INTO THE GENERAL WORK AREA. REFER TO THE ACGIH DOCUMENT "*INDUSTRIAL VENTILATION, A MANUAL OF RECOMMENDED PRACTICES*" FOR DETAILS.

RESPIRATORY PROTECTION: NIOSH/MSHA APPROVED DUST/MIST RESPIRATOR MAY BE WORN.

EYE PROTECTION: SAFETY GOGGLES.

AN EYE WASH FOUNTAIN AND QUICK-DRENCH FACILITIES SHOULD BE MAINTAINED IN THE WORK AREA.

SKIN PROTECTION: USE RUBBER OR PLASTIC IMPERVIOUS GLOVES AND BODY-COVERING CLOTHING.

PERSONAL HYGIENE: WASH THOROUGHLY AFTER HANDLING.

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### 9. SAFE HANDLING, STORAGE AND USE PRECAUTIONS

PRECAUTIONARY MEASURES: AVOID GENERATING DUST. WASH THOROUGHLY AFTER USING. AVOID BREATHING DUST. USE WITH ADEQUATE VENTILATION.

STORAGE AND HANDLING: KEEP IN A TIGHTLY CLOSED CONTAINER. STORE IN A COOL, DRY, WELL-VENTILATED AREA. PROTECT FROM EXPOSURE TO DILUTE ACIDS OR WATER.

PROTECT FROM PHYSICAL DAMAGE.

### 10. REGULATORY INFORMATION AND DISPOSAL PROCEDURES

SPILL/LEAK CLEAN-UP PROCEDURES: VENTILATE AREA OF LEAK OR SPILL. SWEEP, SCOOP, VACUUM, OR PICK UP SPILLED MATERIAL. AVOID DUSTING. USE NON-SPARKING TOOLS. PACKAGE FOR RECLIMATION OR RECOVERY. PREVENT SPILLED MATERIAL OR RUN-OFF FROM GETTING INTO SEWERS OR WATERWAYS.

DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL AND REGULATORY REQUIREMENTS.

TOXIC SUBSTANCES CONTROL ACT (TSCA): CHEMICAL INGREDIENTS ARE ON THE TSCA INVENTORY.

SUPERFUND REPORTABLE QUANTITY (RQ): NOT REGULATED.

HAZARDOUS WASTE NO.: NOT REGULATED.

SARA TITLE III: PLEASE CHECK WITH THE APPROPRIATE AGENCIES. (SECTION 313)  
CANADIAN (WHMIS) LIST: PLEASE CHECK WITH THE APPROPRIATE AGENCIES.

FOR STATES NOT LISTED: PLEASE CHECK WITH THE APPROPRIATE AGENCIES.

### 11. TRANSPORTATION DATA

DOT SHIPPING NAME: PESTICIDE (OVOCONTROL-G)

DOT HAZARD CLASS: NOT DOT REGULATED

HAZARDOUS INGREDIENTS:  
IDENTIFICATION NUMBER:  
PRODUCT GROUP:  
LABEL:

### 12. ADDITIONAL WARNINGS AND INFORMATION

ALL INFORMATION PRESENTED HEREIN IS GIVEN IN GOOD FAITH AND IS BASED ON SOURCES AND TESTS CONSIDERED TO BE RELIABLE, BUT CANNOT BE GUARANTEED. IT IS THE USER'S FULL RESPONSIBILITY TO ACCEPT RISK FOR THE SAFETY, TOXICITY, HANDLING, STORAGE, AND USE OF THE PRODUCT, AS WELL AS TO DETERMINE THE SUITABILITY OF THE PRODUCT FOR A SPECIFIC PURPOSE. WE MAKE NO WARRANTY AS TO THE RESULTS TO BE OBTAINED IN USING THE PRODUCT; THEREFORE ALL RISKS MUST BE ASSUMED BY THE USER.