



Innolytics, LLC
The Humane Hatch Control Company

SAFETY DATA SHEET

DATE OF ISSUE: 1 JUNE 2015

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

TRADE NAME: OVOCONTROL P; OVOCONTROL S
CHEMICAL NAME: NICARBAZIN
FORMULA: C₁₉H₁₈N₆O₆
MOLECULAR WT.: 426.38
SYNONYMES: N/A
PACK SIZE & TYPE: 30 POUND MULTI-WALL PAPER BAG. 5 POUND PLASTIC CANISTER
USE: CONTRACEPTIVE FOR AVIAN SPECIES

COMPANY: INNOLYTICS, LLC
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24 HOUR EMERGENCY CONTACT: COMPANY (949) 388-3671

2. HAZARDS IDENTIFICATION

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)

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3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS (CAS NO.)	WT PCT (APPROX)	PEL		TLV (TWA)	
		MG/M3	PPM	MG/M3	PPM
NICARBAZIN (330-95-0)	0.5%		sND		ND
INERT INGREDIENTS	99.5%		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/ACGIH. PROPRIETARY INGREDIENT IDENTITIES ARE AVAILABLE IN ACCORDANCE WITH 29 CFR 1910.1200.

CARCINOGEN: NTP – NO
IARC – NO
OSHA – NO
ACGIH – NO

4. FIRST AID MEASURES

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 LAUNDRER 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.

5. FIREFIGHTING MEASURES

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
AUTO IGNITION TEMP (DEG C): NA

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

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SPECIAL FIRE FIGHTING PROCEDURES: USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE 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.

6. ACCIDENTAL RELEASE MEASURES

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 RECLAMATION 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.

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

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RESPIRATORY PROTECTION: NISH/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. USE PROTECTIVE CLOTHING AND IMPERVIOUS GLOVES. OPERATORS SHOULD WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. IF ACCIDENTAL EYE CONTACT OCCURS, IMMEDIATELY RINSE WITH PLENTY OF WATER.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: YELLOW TO TAN PELLETS OR NUGGETS
BOILING POINT: N/A
MELTING POINT: N/A
VAPOR PRESSURE: N/A
VOLATILES: NONE
PH: N/A
EVAPORATION RATE: N/A
ODOR: CHARACTERISTIC (MILLED GRAINS)
DENSITY: 32-36LBS/CU FT
FLASH POINT: N/A
FLAMMABILITY LIMITS: N/A
SOLUBILITY: PRACTICALLY INSOLUBLE IN WATER

10. STABILITY AND REACTIVITY

THERMAL STABILITY: STABLE UNDER ORDINARY CONDITIONS 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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11. TOXICOLOGICAL INFORMATION

ACUTE FEEDING MOUSE	LD ₅₀ > 25000 MG/KG
ACUTE FEEDING RAT	LD ₅₀ > 10000 MG/KG
ACUTE INHALATION TOXICITY RAT (PREMIX)	LC ₅₀ > 0.147 ML/L
ACUTE DERMAL TOXICITY RAT (PREMIX)	LD ₅₀ > 5000 MG/KG
PRIMARY EYE IRRITATION RABBIT (PREMIX)	MODERATE IRRITANT, CAT III
PRIMARY DERMAL IRRITATION RABBIT (PREMIX)	NOT AN IRRITANT
DERMAL SENSITIZATION GUINEA PIG (PREMIX)	NOT A CONTACT SENSITIZER
CHRONIC FEEDING 2 YEAR DOG (A.I.)	NOEL 240 MG/KG/DAY
CHRONIC FEEDING 2 YEAR RAT (A.I.)	NOEL 400 MG/KG/DAY
REPRODUCTIVE TOXICITY RAT (A.I.)	NOEL 400 MG/KG/DAY
DEVELOPMENTAL TOXICITY RAT (A.I.)	NOEL 200 MG/KG/DAY
MUTAGENICITY (A.I.)	NOT MUTAGENIC
CARCINOGENICITY (A.I.)	NOT CARCINOGENIC

12. ECOLOGICAL INFORMATION

NICARBAZIN TECHNICAL

ACUTE ORAL TOXICITY (NORTHERN BOBWHITE): LD₅₀ > 2250 MG/KG/BW
DIETARY (NORTHERN BOBWHITE): LC₅₀ > 5625 PPM A.I.
DIETARY LC₅₀ (MALLARD DUCK): LC₅₀ = 3738 PPM A.I.
EARTHWORM LC₅₀ > 1000 PPM

4,4'-DINITROCARBANILIDE (DNC):

CLADOCERAN (*DAPHNIA MAGNA*): 48-HOUR EC₅₀ > 93 PPB
RAINBOW TROUT (*ONCORHYNCHUS MYKISS*): 96-HOUR LC₅₀ > 69 PPB
BLUEGILL (*LEPOMIS MACROCHIRUS*): 96-HOUR LC₅₀ > 69 PPB

2-HYDROXY-4,6 DIMETHYLPYRIMIDINE (HDP):

CLADOCERAN (*DAPHNIA MAGNA*): 48-HOUR EC₅₀ > 107 PPM
BLUEGILL (*LEPOMIS MACROCHIRUS*): 96-HOUR LC₅₀ > 122 PPM
RAINBOW TROUT (*ONCORHYNCHUS MYKISS*): 96-HOUR LC₅₀ > 110 PPM

13. DISPOSAL CONSIDERATIONS

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

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

CONTAINER DISPOSAL:

IF EMPTY: DO NOT REUSE THIS CONTAINER. PLACE IN TRASH OR OFFER FOR RECYCLING IF AVAILABLE.

IF PARTLY FILLED: CALL YOUR LOCAL SOLID WASTE AGENCY FOR DISPOSAL INSTRUCTIONS. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR DRAIN. KEEP UNUSED BAIT DRY.

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14. TRANSPORTATION DATA

DOT SHIPPING NAME: PESTICIDE (OVOCONTROL-G; OVOCONTROL P)

DOT HAZARD CLASS: NOT DOT REGULATED

HAZARDOUS INGREDIENTS:
IDENTIFICATION NUMBER:
PRODUCT GROUP:
LABEL:

15. REGULATORY INFORMATION

LABELING ACCORDING TO EPA AND EC DIRECTIVE

R-PHASES: R36/37/38: IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN
S-PHASES: S2: KEEP OUT OF THE REACH OF CHILDREN
S3/7: KEEP CONTAINER TIGHTLY CLOSED IN A COOL PLACE
S20/21: WHEN USING DO NOT EAT, DRINK OR SMOKE
S24/25: AVOID CONTACT WITH SKIN AND EYES.
S29: DO NOT EMPTY INTO DRAINS
S26: AFTER CONTACT WITH EYES, RINSE IMMEDIATELY WITH A PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S28: AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH A PLENTY OF SOAP AND WATER.
S37: WEAR SUITABLE GLOVES.
S45: IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE)

16. 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.