
Eagle Eye Bird Control Trust

MATERIAL SAFETY DATA SHEET

OPTICAL BIRD WAX

1. IDENTIFICATION

A. PRODUCT NAME

- **OPTICAL BIRD WAX**

B. Recommended Use and Restriction on Use

- General use: To keep pest birds from landing on specific areas.
- Restriction on Use : Not available

C. Information of Manufacturer

EAGLE EYE BIRD CONTROL TRUST
16 SAX CENTRE, MUSCAT STREET, SAXENBURG PARK 1, KUILSRIVER,
CAPE TOWN, SOUTH AFRICA

2. HAZARD IDENTIFICATION

OSHA/HCS status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. Hazards not otherwise classified

Classification of the Substance or mixture: Not classified.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General :Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No. or Reference No.	Contents (%)
Beeswax	8012-89-3	70
PB2300	9003-27-4	25
AGAR		
UV REFLECTIVE PARTICLES		

4. FIRST-AID MEASURES

A. Eye Contact

- Heated material: Immediately flush eyes with plenty of water at least 15 min.

If on eyes, get medical advice for removing this material.

- Refrigerated material : Immediately flush eyes with plenty of water or saline

Solution till remove perfectly. If eye irritation persists, get medical advice.

B. Skin Contact

- Heated material: Remove immediately all contaminated clothing, flush the contact part with cool water at least 15 min. Call a physician.

- Refrigerated material : Flush contaminated part with plenty of water and soap completely. Wash contaminated clothing before reuse.

If experiencing symptoms, get medical advice.

C. Inhalation

- If inhaled, remove to fresh air.
- Perform artificial respiration if stop breathing.
- Use supplied-oxygen respirator if difficulty in breathing
- Call a physician if necessary.

D. Ingestion

- Do not induce vomiting. Lay the patient down as head would be lower than body for suffocation prevention if occur vomiting.
- Do not give anything to mouth if patient is unconscious.
- Rinse the mouth and give 2~4 glasses of milk or water if patient is conscious. If patient be conscious, rinse the mouth.
Call a physician if necessary.
- If large quantities of this material are swallowed, call a physician immediately.

E. Delayed and immediate effects and also chronic effects from short and long term exposure

- May occur stomach stimulus and diarrhea if ingestion.
- May causes irritation slightly if contact with skin.
- Repeated exposure may cause skin dryness or cracking. Heated material can cause thermal burns.
- Exposure to aerosols or particulates from heated material may cause adverse lung effects if high concentrations are inhaled.

F. Notes to Physician

- Medical personnel may leave this material in place to minimize physical damage to the skin or cover the material with a burn gel to prevent adhesion of the dressing to the material.
- Treatment may vary with condition of victim and specifics of incident.

5. FIRE FIGHTING MEASURES

A. Suitable (Unsuitable) extinguishing media

- Extinguishing media : Chemical powder, CO₂, Water fog, foam
Use normal extinguisher, water spray in conflagration.
- Unsuitable extinguishing media : indoor or outdoor hydrant facilities, sprinkler, water jet

B. Specific hazards arising from the chemical

- Irritating and carbon oxides such as carbon dioxide, carbon monoxide may be generated by thermal decomposition or combustion.
- During a fire, thermal de-polymerization may produce flammable vapor.

C. Fire fighting procedures and equipments

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- Fire-fighting protective equipment : Full firefighting turn-out gear(bunker gear), Supplied-air respirator(full face piece), Self-contained breathing apparatus(pressure-demand or other positive-pressure mode in combination)
 - Move container from fire area if it can be done without risk.
 - Do not scatter spilled material with high-pressure water streams.
 - Fire may be spread by water use.
 - Do not inhale the material or its combustion products.
 - Go against the wind and keep out of low areas.

6. ACCIDENTAL RELEASE MEASURES

A. Personal Precautions, Protective Equipment and Emergency procedures

- Perform in accordance with 『 See section 8 . EXPOSURE
- CONTROLS/PERSONAL PROTECTION Put on appropriate personal protective equipment.
- No entry to unauthorized persons and isolate from dangerous area.
- Wash thoroughly after handling.

B. Environmental Precautions

- Avoid dispersal of spilt material and runoff and contact with waterways, drains and sewers. If large spills, advise emergency services.

C. Methods and materials for containment and cleaning up

- Remove all source of ignition around the leak – sparks, flames, No smoking.
- Stop leak if safe to do so.
- For indoor spills, provide increased ventilation as required to minimize exposure.
- For small spills, absorb spilled material with sand or non-combustible material.
- For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.
- If water spill, remove from surface by skimming or with suitable absorbent.
- Place absorbent and other waste in an appropriate container for disposal.
- Dispose in accordance with The Waste Control Law.

7. HANDLING AND STORAGE

A. Handling

- Perform in accordance with [See section 8 . EXPOSURE CONTROLS/PERSONAL PROTECTION . Put on appropriate personal protective equipment.
- Maintain below flash point, protect to leak of liquid or vapor.
- Keep away from open flames, shut off the production of source of ignition (electricity static electricity sparks·heat·material of high-temperature)
- Ground/bond all container and receiving equipment, use equipment of prevention of explosion.
- Do not breathe vapor or mist when using this material. Avoid prolonged or repeated contact with skin. Avoid contact with eyes.
- Empty containers may contain harmful, flammable/combustible or explosive residue or vapors.
- Scrape off material with scrapers and wash with Paraffin or Petroleum Jelly.
- Wash thoroughly after handling.

B. Storage Precautionary Statements :

- Keep container tightly closed in a cool, well-ventilated place.
- Keep container tightly closed before use.
- Avoid contact with incompatible materials.
- Keep away from heat, sparks, open flames, source of ignition.
- Suitable storage materials : mild steel/ carbon steel

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

A. Exposure Limits

- Exposure limit under ISHL : Not available
- ACGIH : Not available
- Biological exposure limits : Not applicable

B. Engineering Controls

- A system of local and/or general exhaust is recommended to keep employee exposures above the Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. The use of local exhaust
- Ventilation is recommended to control emissions near the source.

C. Personal Protective Equipment

- Respiratory Protection: Use the respirator be given official approval by SA Occupational Safety & Health Agency. Under conditions of frequent use or heavy exposure, Respiratory Protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.
- Eye Protection: Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield. Provide an emergency eye wash station and quick drench shower in the immediate work area.
- Hand Protection: Wear chemical resistant protected gloves if there is hazard potential for direct skin contact. Wear heat resistant protected gloves to withstand the temperature of molten product.
- Body Protection: Wear chemical resistant protected clothing if there is hazard potential for direct contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

- A. Appearance : Light brown soft solid
- B. Odor : Odorless
- C. Odor threshold : Not available
- D. pH : Not available
- E. Freezing point: (Minus) -30° Celsius (-22° Fahrenheit)
- F. Melting point: 80-90° Celsius (176° - 194° Fahrenheit)
- G. Flash point : 210°C (COC)
- H. Evaporating Rate : None

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- I. Flammability(solid, gas) : Not available
 - J. Upper/Lower Flammability or explosive limits : Not available
 - K. Vapor pressure : Not available
 - L. Solubility : < 0.1%
 - M. Vapor density : Not applicable
 - N. Relative density : 0.889(15.6°C)
 - O. Partition coefficient of n-octanol/water : Not available
 - P. Auto ignition Temperature : Not available
 - Q. Decomposition Temperature : Not available
 - R. Viscosity : 230(at 100°C, cSt)
 - S. Molecular weight : 950(Mn)

10. STABILITY AND REACTIVITY

- A. Stability
 - This material is stable under recommended storage and handling conditions
- B. Possibility of Hazardous Reaction
 - May not occur under normal temperature and pressure.
- C. Conditions to Avoid
 - Avoid to heat, open flames, sparks and other source of ignition.
 - Avoid to contact with incompatible materials.
- D. Materials to Avoid
 - Strong oxidizing agent : Hazard of fire and explosion
- E. Hazardous Decomposition Products
 - Combustion may produce carbon oxides such as carbon monoxide, carbon dioxide.
 - During a fire, thermal de polymerization may produce flammable vapour.

11. TOXICOLOGICAL INFORMATION

- A. Information on the likely routes of exposure
 - (Respiratory tracts) : Not Classifiable
 - (Oral) : Not Classifiable
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- (Eye · Skin) : Not Classifiable

- Serious eye damage/irritation : Not available

- Respiratory sensitization : Not available

- Skin sensitization : Not available

- Carcinogenicity

- Not classify to be carcinogenic substance(A1) and carcinogenic substance of presumed in Public notice

- Not Classifiable as a carcinogen in NTP, IARC, OSHA.

- Germ cell mutagenicity : Not available

- Reproductive toxicity : Not available

- Specific target organ toxicity(single exposure) : Not available

- Specific target organ toxicity(repeated exposure) : Not available

- Aspiration hazard : Not available

- Chronic effect : Not available

B. Calculation the classification of the mixture; the acute toxicity estimate etc. : Not applicable

12. ECOLOGICAL INFORMATION

A. Eco toxicity :

Ecotoxicity effects:

Non Toxic to: Fish and other aquatic fauna

LC50/96hour/*Poecilia reticulata* = >1000mg/l

LC50/48hour/*Daphnia magna* = >1000mg/l

Non Toxic to: Bacteria

LC50/30min/*Vibrio fischeri* = >1000mg/l

Non Toxic to: Algae and other plants;

LC50/72hour/*Selenastrum capricornutum* = >1000mg/l

Phytotoxicity: LC50/72hour/*Sorghum saccharatum*/*Lepidium sativum*/*Sinapis alba* = >1000mg/l

Non Toxic to: Sediment fauna:

LC50/144hour/*Heterocypris incongruens* = >1000mg/l

Bioaccumulation: Data not available

Persistence and degradability: According to the results of tests of biodegradability this product is readily biodegradable

This material is not water soluble and was found to be non-mutagenic and non-toxic to the microorganism used in the Ames mutagenicity assay, *Salmonella typhimurium*.

Persistence and degradability: This material is expected to be Biodegradable over time

Mobility in soil: This material is not likely to move rapidly with surface or groundwater flows.

Other adverse effects : Not available

13. DISPOSAL CONSIDERATIONS

A. Disposal methods

- The user of this product must properly characterize the waste/container generated from the use of this product in accordance with all applicable federal, state and/or local laws and regulations in order to determine the proper disposal of the waste in accordance with all applicable federal, state and/or local laws and regulations.

B. Special precautions for disposal :

- The user of this product must disposal by oneself or entrust to waste disposer or person who other's waste recycle and dispose, person who establish and operate waste disposal facilities.
- Dispose of waste in accordance with local regulation.

14. TRANSPORT INFORMATION

A. UN number : Not applicable

B. Proper shipping name : Not applicable

C. Hazard class : Not applicable

D. Packing group : Not applicable

E. Marine pollutant : Not applicable

F. Special precautions for user related to transport or transportation measures

- Local transport follows in accordance with Dangerous goods Safety Management Law.
- Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.

15. REGULATORY INFORMATION

A. Regulations

- Rotterdam Convention on Harmful Chemicals & Pesticides : Not applicable
- Stockholm Convention on Persistent Organic Pollutants : Not applicable
- Montreal Protocol on Substances That Deplete the Ozone Layer : Not applicable
- Information of EU Classification
 - European Inventory of Existing Chemical Substances (EINECS/ELINCS) : All of the monomers in this polymer are on the EU Inventory, so this product is excepted in registration object.
 - Classification : Not applicable
 - Risk Phrases : Not applicable
 - Safety Phrases : Not applicable
- Information of U.S.A
 - OSHA regulation(29CFR1910.119) : Not applicable
 - CERCLA 103 regulation(40CFR302.4) : Not applicable
 - EPCRA 302 regulation(40CFR355.30) : Not applicable
 - EPCRA 304 regulation(40CFR355.40) : Not applicable
 - EPCRA 313 regulation(40CFR372.65) : Not applicable
 - TOXIC SUBSTANCES CONTROL ACT(TSCA) :
This product is on the TSCA Inventory.
 - U.S. Food and Drug Administration(FDA) :

16. OTHER INFORMATION

A. Reference

- This MSDS is prepared based on the MSDS provided by INEOS Oligemers

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