

SAFETY AND SPEC DATA SHEET PURENES BLACK WITH ELECTROSTATIC REPULSION	Code: FT 006
	Issuing date: 01/09/2020

1. PRODUCT IDENTIFICATION

PRODUCT: PURENES BLACK
with Electrostatic Repulsion technology

ANOTHER MEANS OF IDENTIFICATION: NES-ER-BAKTERIN BLACK

PATENTED INVENTION

Environmental license (INVIMA) - Nro. 2011018625

PRODUCT DESCRIPTION: Product designed as a high-performance degreaser by using hyper degradation combined with our electrostatic repulsion technology, breaking the lipid chains of grease, paint and high viscosity oils.

MANUFACTURER INFORMATION: Manufactured exclusively by Nanotech Eco Solutions Cdn Inc. in Chester, Nova Scotia, Canada. Phone numbers: (1) 902 223 0482. Production department: NES Canada.

EMERGENCY NUMBER: (1) 902 223 0428



2. RISK IDENTIFICATION

The hazard classification for this product according to the **MON-018-STPS-2015: Eye irritation category 2B.**

HAZARD PICTOGRAM: It is not required.

WARNING WORD: "ATTENTION"

DANGER INDICATIONS: **H320** – Causes Eye Irritation

PRUDENCE ADVISE: P264- Wash your hands thoroughly after using the product.

P305 + P351 + P338. IF IN EYES: Rinse thoroughly with water for several minutes. Remove contact lenses if any. Continue rinsing; seek medical attention if discomfort persists.

P337 + P313 IF YOU EYE IRRITATION PERSIST: seek medical assistance.

OTHER INFORMATION: None Known.



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3. COMPOSITION/INFORMATION OF COMPONENTS

Ethoxylated alcohols:
Vegetable Solvents:

CAS Numbers

Max. 15%* 68439-46-3

Min. 2%* 5889-27-5

Max.3%* 8001-31-8 3.2

VIRICIDAL AND BACTERICIDE AGENT

Max. 2%* 79-21-0 N.

CE: 201-186-8-N

Non-hazardous components and other components below the limits to be reported:

Approx. 83% * 7732-18-5

* the specific percentages of the composition are reserved as trade secret.

4. FIRST AID

First aid measures after inhalation: It is not expected to cause respiratory irritation; If adverse effect occurs, move to fresh air.

First aid measures after skin contact: It is not expected to cause skin irritation; If an adverse effect occurs, immediately remove contaminated clothing, rinse with enough water.

First aid measures after eye contact: Immediately flush eyes with water for several minutes. Remove contact lenses if any. Continue rinsing, seek medical attention if discomfort persists.

First aid measures after ingestion: It can cause upset stomach; drink plenty of water to dilute.

5. FIRE-FIGHTING MEASURES

Extinguishing Measures: Dry chemical powder (potassium bicarbonate, sodium bicarbonate, mono ammonium phosphate) carbon dioxide and water. Avoid large volumes of pressurized water.

Specific Hazards: It can produce organic gases by decomposition.

Special Protection Measures for Firefighters: Use Autonomous Breathing Equipment with positive pressure, Wear full protective clothing.



This product is not flammable; see section 9 "Physical Protection"

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6. ACCIDENTAL RELEASE (SPILLOVER) MEASURES

General measures:

Prevent entry into sewers, basements, work pits, ensure adequate ventilation; Retain contaminated water, Collect with absorbent material.

Avoid contact with eyes. the use of safety glasses is suggested if there is likely to be splashing.

Keep the product away from surface water and underground water systems.

7. HANDLING AND STORAGE

Handling:

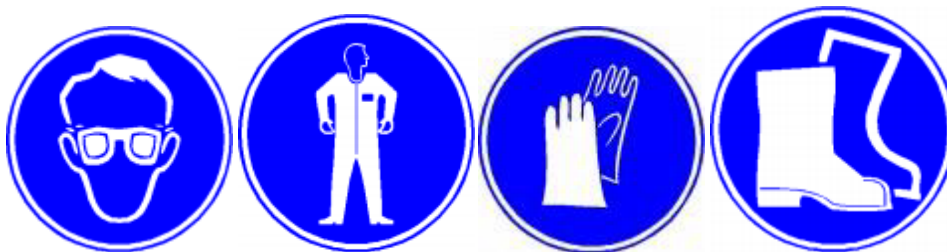
Ensure adequate ventilation when handling the product, keep the product out of the reach of children. Do not pierce any part of the container. Do not mix and contaminate with any other substance. Avoid drinking, eating or smoking when using the product. Wash your hands when using the product.

Storage:

Store in a clean, dry and well-ventilated area. Protect from the sun. Do not smoke, do not do welding work or any work that may produce flames or sparks in the storage area. Open containers must be carefully closed again and kept upright to avoid leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical Controls: Safe product to handle, keep the workplace ventilated. In confined areas, mechanical ventilation should be provided. Have showers and eyewash stations.



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Eye and Face Protection: Chemical splash proof goggles must be worn (EN 166).

Skin protection: Handle this product with waterproof nitrile gloves, work clothes and safety boots.

Respiratory protection: Wear respiratory protection for organic vapors in case of working in confined places or if there is a high concentration of product vapors.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Appearance: Non-viscous liquid

Molecular mass: N/A

Color: Hazy pearl

Odor: Natural Lemon

Olfactory threshold: N/A

pH: 13.0 +/- 0.5

Boiling point: 70 C

Density: 0.97 +/- 0.5 g/cm³

Solubility: Water – 100%

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Explosive properties: N/A

Oxidizing Properties: N/A



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10. STABILITY AND REACTIVITY

Reactivity: Product reactions or decompositions are not expected to occur under normal storage conditions. It does not react with water.

Chemical Stability: The product is chemically stable and does not require stabilizers.

Possibility Hazardous Reactions: No dangerous reaction is expected.

Conditions to Avoid: Avoid high temperatures, heated glass surfaces, static discharges, heat and excessive cold.

Incompatible Materials: Strong oxidizing agents and strong acids or disinfectant agents.

11. TOXICOLOGICAL INFORMACION

Acute Toxicity: ORAL LD50 > 4400 mg/Kg CUTANEOUS LD50 > 5000 mg/Kg

Corrosion / Skin Irritation: No skin irritation is expected.

Serious Eye Injury / Eye Irritation: Causes Eye Irritation.

Respiratory or Cutaneous Sensitization: No skin or respiratory irritation is expected

Germ Cell Mutagenicity: No Mutagenic Effects have been demonstrated.

Carcinogenicity: Not Classified as a Carcinogen by OSHAS, IARC, ACGIH OR NTP.

Reproductive Toxicity: Does not contain toxins known for reproduction or development.

Specific Systematic Organ Toxicity: Unknown

Single Exposure: It is not classified as a specific toxic.

Repeated Exposures: May Cause Skin Dermatitis.

Aspiration Hazard: Low toxicity, may cause throat and nose irritation, Cough.



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12. ECOLOGICAL INFORMATION

Toxicity: The volume of ingredients used does not cause toxicity classifications according to the Globally Harmonized System of Classification and Labeling of Chemical Substances

METHOD	VALUE	UNITS	DETERMINATION OF VALUE
OECD 301D	90.71 +/- 7.2	% biodegradability	Experimental

Bio-accumulative potential: No appreciable Bioconcentration in the Environment.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

13. INFORMATION RELATING TO THE ELIMINATION OF PRODUCTS

General Information: Waste generation should be minimized or avoided whenever possible. Reuse or recycle products where possible. Dispose of product residues and their containers with all possible precautions. When handling waste, the safety measures in force for handling the product must be considered. Care should be taken when handling empty containers that have not been thoroughly cleaned or rinsed. Empty containers or coatings may retain product residue and are therefore potentially dangerous.

Disposal Methods: Dispose of waste according to the requirements of the local authority.



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14. TRANSPORTATION INFORMATION

ADR / RDI GROUND TRANSPORTATION:

UN Number: Non-dangerous goods
 Primary Category: None Required
 UN Packing Group: None Required
 Proper Shipping Name: None Required

ACAO / IATA AIR TRANSPORT:

UN Number: Non-dangerous goods
 Primary Category: None Required
 UN Packing Group: None Required
 Proper Shipping Name: None Required

IMDG MARITIME TRANSPORTATION:

UN Number: Non-dangerous goods
 Primary Category: None Required
 UN Packing Group: None Required
 Proper Shipping Name: None Required

15. REGULATION INFORMATION

Law 769 of 2002. National Land Traffic Code.
 Decree 1609 of 2002, which regulates the handling and Road Transportation of Dangerous Goods by Road.
 Merchandise transports.

Material Safety Data Sheets

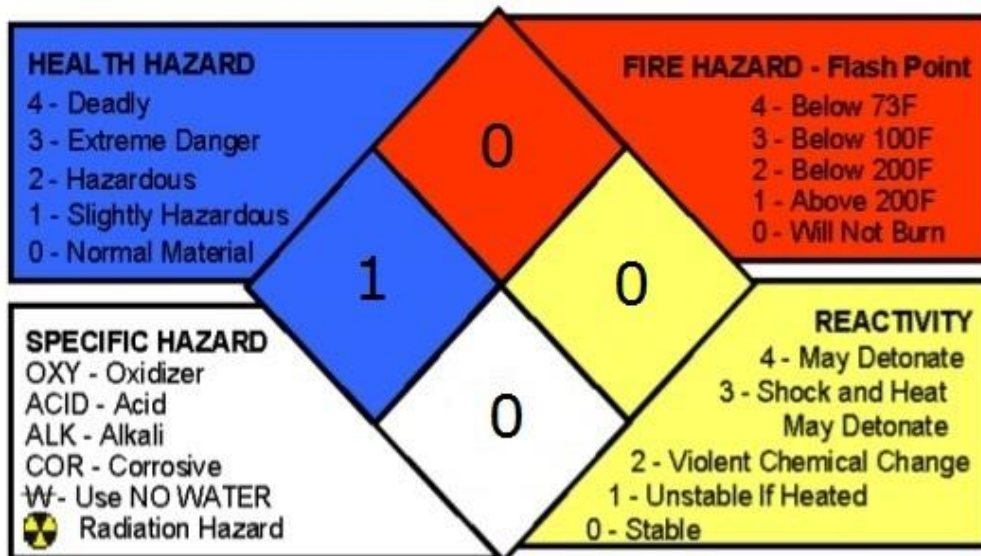
Other Standards: **HMIS III, NFPA 704, OSHAS HC, DOT.**



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16. OTHER INFORMATION

MSDS-MATERIAL SAFETY DATA SHEET or SAFETY DATA SHEET



The information indicated in this Safety Data Sheet was collected and backed up with the information provided in the Supplier Safety Data Sheets. The information related to this product may not be valid if it is used in combination with other materials or in other processes. It is the user's responsibility to interpret and apply this information for their particular use. The information contained herein is offered only as a guide for the handling of this specific material. This is not intended as complete, even the manner and conditions of use and handling may involve additional considerations.

UPDATED: 05/01/2021

**Issued to Nanotech Eco Solutions Cdn Inc. Chester.
Nova Scotia, Canada**

