

# Product Specification & SAFETY DATA SHEET (EC 648/2004)

## 1. IDENTIFICATION OF THE MIXTURE AND COMPANY

Rev. 1 June, 2015

**eco-kleen Bio-Enzymatic Multi-Purpose Odor and Stain Remover**

Product Code: eco-kleen Multi-Purpose

**Mfg. by:** Bio-Pro Research, LLC, 1140 Tate Blvd. SE, Hickory, NC 28602, Phone (1) 828-449-1237

Emergency Call (1) 828-449-1237, Product Manager

Email: ahundley@bio-proresearch.com

**Emergency Action:** In the event of a medical emergency, contact your doctor or local hospital emergency department, who may seek advise from our Product Manager where the full substance details are held.


**Product Description:** eco-kleen is a bio-enzymatic Urine Odor and Stain Remover that removes urine odors and stains from surfaces. It is generally applied by pump spray application.

**Directions for use:** Soft Surfaces: Blot up excess urine and saturate surface and any sub-surface padding with **eco-kleen** and allow to air dry; reapply if necessary. Rinse the treated area with clean water and extract residues.

Hard Surfaces: Blot up urine, saturate surface with eco-kleen, wipe up residue with cloth or paper towel.

**ALWAYS TEST AREA TO BE CLEANED FOR COLOR FASTNESS BEFORE PROCEEDING!**

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>EINCS NO.</u>	<u>Risk</u>	<u>% (EC Range)</u>
Water	7732-18-5	None	None	More than 30%
Non-ionic surfactant	68439-46-3	Polymer	 - R36/37/38	Less than 5%
Also contains Preservative: Benzisothiazolinone	2634-33-5			Less than 1%
Perfumes: Contains perfumes	None			Less than 1%
Also contains enzymes and viable biological cultures	None	None		Less than 1%

## 3. HAZARDS IDENTIFICATION

Irritant - irritating to eyes.

Contains enzymes. May produce an allergic reaction in rare circumstances.

## 4. FIRST AID MEASURES

**Eyes:** Rinse immediately with copious amounts of water, holding eyelids open. Seek medical advice if irritation persists.

**Inhalation:** Remove from source of exposure.

**Skin:** Wash thoroughly with soap and water.

**Ingestion:** Remove product from mouth, drink large quantities of water or milk and seek medical advise if discomfort persists.

## 5. FIRE FIGHTING MEASURES

NON-FLAMMABLE - In the event of a fire due to other causes, the product is compatible with water, foam, carbon dioxide, and dry chemical extinguishers.

## 6. ACCIDENTAL RELEASE MEASURES

Absorb with absorbent material and dispose of in commercial waste or hose away with plenty of water into wastewater drain (foul sewer).

## 7. HANDLING AND STORAGE

Avoid contact with eyes, Do not mix with other chemicals. Store in original container. Avoid heat.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Hand:** Personal protection is not normally required unless a risk assessment indicates the need for it.

**Eyes:** Personal protection is not normally required unless a risk assessment indicates the need for it.

**Skin:** Personal protection is not normally required unless a risk assessment indicates the need for it.

**Respiration:** Personal protection is not normally required unless a risk assessment indicates the need for it.

## **9. PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance:</b>	White cloudy liquid	<b>Odour:</b>	Citrus
<b>pH:</b>	6.9 - 7.7	<b>Boiling Point °C:</b>	100
<b>Density:</b>	1.02 -1.05 gm/cm <sup>3</sup>	<b>Flash Point °C:</b>	None
<b>Flammability:</b>	Not applicable	<b>Explosive:</b>	Not Applicable
<b>Oxidation:</b>	Not applicable	<b>Vapor pressure:</b>	Not determined
<b>Solubility:</b>	100% in water	<b>Partition coefficient:</b>	Not determined
<b>Viscosity:</b>	4 cps	<b>Vapor Density:</b>	Not determined
<b>Evaporation Rate:</b>	As water		

---

## **10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable	<b>Hazardous Decomposition:</b>	None known if stored in approved guidelines.
<b>Conditions to avoid:</b>	Temperature Extremes / Strong Acids and Alkalis		

---

## **11. TOXICOLOGICAL INFORMATION**

<b>Eyes:</b>	Irritant	<b>Inhalation:</b>	Mild irritant
<b>Skin:</b>	Unlikely to be irritant in normal use, but could cause redness in prolonged direct contact by sensitized individuals.	<b>Ingestion:</b>	Mild irritant

---

## **12. ECOLOGICAL INFORMATION**

When used for its intended purpose, this product should not cause adverse effects in the environment.

---

## **13. DISPOSAL CONSIDERATIONS**

For small quantities, dilute with water and dispose of in a wastewater drain (foul sewer). Rinse out container and recycle or dispose in commercial waste. For large quantities, collect and reuse or dispose of in accordance with local ordinances.


---

## **14. TRANSPORT INFORMATION**

<b>EU Regulation:</b>	Not regulated	<b>RID/ADR</b>	Not regulated
<b>IMDG/UN:</b>	Not regulated	<b>ICAO/IATA</b>	Not regulated

---

## **15. REGULATORY INFORMATION:**

<b>Hazard symbol:</b>		<b>IRRITANT</b>
<b>Risk Phrases:</b>	R36/37/38	Irritating to eyes, respiratory system, and skin Contains enzymes. May produce an allergic reaction.
<b>Safety Phrases:</b>	S2	Keep out of reach of children
	S25	Avoid contact with eyes
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.

---

## **16. Other information**

The information given is intended to be of assistance to users and, while believed to be accurate is not guaranteed. Application and situation variance can affect results. Users are encouraged to conduct their own trials. Suggestions rendered neither give nor imply guarantees for intended use.

Text of phrases associated with ingredients in section 2:

R36	Irritating to eyes
R37	Irritating to respiratory system
R38	Irritating to skin