

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

1. IDENTIFICATION OF THE MIXTURE AND COMPANY

Rev. 1 June, 2015

Urine-Off Bio-Enzymatic Laundry Pretreatment

Product Code: Urine Off Laundry Pretreat

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: Urine-Off is a bio-enzymatic Urine Odour and Stain Remover that removes urine odours and stains from all fabrics. It is generally applied by pump spray application.

Directions for use: Saturate urine stains in fabrics, roll up, and allow to work (longer is better). Wash as normal. For drycleaning, allow to air dry before drycleaning. Safe for wet or dry processing

ALWAYS TEST AREA TO BE CLEANED FOR COLOUR 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

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

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

| | | | |
|-----------------------|---------------|------------------|---------------|
| EU Regulation: | Not regulated | RID/ADR | Not regulated |
| IMDG/UN: | Not regulated | ICAO/IATA | Not regulated |

15. REGULATORY INFORMATION:

| | | |
|------------------------|---|---|
| Hazard symbol: |  | IRRITANT |
| Risk Phrases: | R36/37/38 | Irritating to eyes, respiratory system, and skin Contains enzymes. May produce an allergic reaction. |
| Safety Phrases: | 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 |