1. SECTION 1: CHEMICAL/MIXTURE IDENTIFICATION

1.1 Product identifier

Product Name: Defunkify Laundry Stain Remover
CAS No.: Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s): Laundry product
Uses advised against: None known.

1.3 Details of the supplier of the product

Company Identification: Dune Sciences, Inc.
350 W. 5th Ave.
Eugene, OR 97401

Telephone: (541) 359-1959
E-Mail: Info@defunkify.com

1.4 Emergency telephone number

Emergency telephone number: (800) 424-9300 [CHEMTREC]

2. SECTION 2: HAZARDS IDENTIFICATION

"Consumer Products", defined by the US Consumer Product Safety Act and are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided to assist in the safe handling and proper use of the product.

2.1 Classification of the substance or mixture

GHS 29 CFR 1910.1200: Eye damage/Irritation Category 2A

2.2 Label elements

Hazard pictogram(s):

Signal word(s): Warning
Hazard statement(s): Causes serious eye irritation.
Precautionary statement(s): PREVENTION: Wear eye/face protection during use. Wash skin thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
IF SWALLOWED: Drink plenty of water. Call poison control if person feels unwell. IF ON SKIN: Rinse with plenty of water. If skin irritation occurs, get medical attention.

2.3 Other hazards
None.

2.4 Additional Information
None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures
29CFR 1910.1200

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>75-95</td>
<td>7732-18-5</td>
</tr>
<tr>
<td>Alcohols, C12-C16, ethoxylated propoxylated</td>
<td>6-10</td>
<td>64366-70-7</td>
</tr>
<tr>
<td>Sodium polyacrylate</td>
<td>1-2</td>
<td>9004-04-7</td>
</tr>
<tr>
<td>Enzyme blend</td>
<td>0.5-2.5</td>
<td>Trade secret</td>
</tr>
</tbody>
</table>

3.2 Additional Information
None.

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation
Remove person to fresh air. If symptoms persist, get medical attention.

Skin Contact
Rinse with plenty of water. If irritation develops, get medical attention.

Eye Contact
Flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses if present and easy to do. If irritation develops, get medical attention.

Ingestion
Give plenty of water to drink. Do NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed
None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed
Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
Suitable Extinguishing Media
Water spray, foam, dry powder or CO2.

Unsuitable Extinguishing Media
None known.

5.2 Special hazards arising from the substance or mixture
None anticipated. Not flammable or combustible.

5.3 Advice for fire-fighters
Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Caution - spillages may be slippery. Ensure adequate ventilation. Wear personal protective equipment.

6.2 Environmental precautions
Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up
Adsorb spillages onto sand, earth, vermiculite or any suitable adsorbent material; collect in container for disposal according to local / national regulations.

6.4 Reference to other sections
See Also Section: 8, 13.
7. SECTION 7: HANDLING AND STORAGE

General hygiene measures for the handling of chemicals are applicable.

7.1 Precautions for safe handling
Wear suitable personal protective equipment. Wash hands and exposed skin after use. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities
Storage Temperature
Ambient.
Storage Life
Stable under normal conditions.
Incompatible materials
None know.

7.3 Specific end use(s)
Detergent.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits
ACGIH (TLV), NIOSH (REL), and OSHA (PEL) exposure limits have not been established for this product or reportable ingredients.

8.1.2 Biological limit value
Not established.

8.1.3 PNECs and DNELs
Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls
Provide adequate ventilation.

8.2.2 Personal protection equipment
Eye/face protection
Wear protective eye glasses for protection against liquid splashes.

Skin protection (Hand protection/ Other)
Wear suitable gloves if prolonged skin contact is likely.
Wear impervious gloves (EN374).

Respiratory protection
Normally no personal respiratory protection is necessary.

8.2.3 Environmental Exposure Controls
Do not release large quantities into the surface water or into drains.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Appearance
Liquid.
Color
White to off-yellow.
Odor
Un-scented.
Odor Threshold
Not established.

pH
7-9
Melting Point/Freezing Point
Not applicable.
Initial boiling point and boiling range
No information available.
Flash point
No information available.
Evaporation rate
No information available.
Flammability (solid, gas)
No information available.
Upper/lower flammability or explosive limits
No information available.
Vapour pressure
No information available.
Vapour density Not applicable.
Relative density No information available.
Solubility Soluble in water.
Partition coefficient: n-octanol/water No information available.
Auto-ignition temperature No information available.
Decomposition Temperature No information available.
Viscosity Water thin.
Explosive properties Not explosive.
Oxidising properties Not oxidising.

9.2 Other information None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity Stable under normal conditions.
10.2 Chemical stability Stable under normal conditions.
10.3 Possibility of hazardous reactions No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid None anticipated.
10.5 Incompatible materials None in particular.
10.6 Hazardous Decomposition Product(s) No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C12-C16, ethoxylated propoxylated</td>
<td>64366-70-7</td>
<td>&gt;2g/kg (rat)</td>
<td>&gt;2g/kg (rat)</td>
<td>No data</td>
</tr>
<tr>
<td>Sodium polyacrylate</td>
<td>9004-04-7</td>
<td>&gt;5g/Kg (rat)</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Enzyme blend</td>
<td>Trade secret</td>
<td>No data</td>
<td>No data</td>
<td>No data</td>
</tr>
</tbody>
</table>

Acute toxicity May be harmful if swallowed.
Irritation Irritating to skin and eyes.
Corrosivity Irritating to skin and eyes.
Sensitisation It is not a skin sensitizer.
Repeated dose toxicity None anticipated.
Carcinogenicity No evidence of carcinogenicity.
Mutagenicity No evidence of mutagenic potential.
Toxicity for reproduction None anticipated.

11.2 Other information None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS No.</th>
<th>Fish</th>
<th>Daphnia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C12-C16, ethoxylated propoxylated</td>
<td>64366-70-7</td>
<td>EC50 10-100mg/L</td>
<td>48h 72.1mg/L</td>
</tr>
<tr>
<td>Sodium polyacrylate</td>
<td>9004-04-7</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>Enzyme blend</td>
<td>Trade secret</td>
<td>No data</td>
<td>No data</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability No information available.
12.3 Bioaccumulative potential No information available.
12.4 Mobility in soil No information available.
12.5 Results of PBT and vPvB assessment Not classified as PBT or vPvB.
12.6 Other adverse effects None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Use appropriate tools to put the spilled substance in a convenient waste disposal container. Finish cleaning by spreading soap and water on the contaminated surface.

13.2 Additional Information Disposal should be in accordance with local, state or national legislation.
14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1 UN number Not applicable.
14.2 UN Proper Shipping Name Not applicable.
14.3 Transport hazard class(es) Not applicable.
14.4 Packing Group Not applicable.
14.5 Environmental hazards Not applicable.
14.6 Special precautions for user Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2 GHS Created in accordance with the OSHA’s implementation of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

15.3 US EPA TSCA: All ingredients are on the TSCA inventory.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

LEGEND
DNEL Derived No Effect Level
PNEC Predicted No Effect Concentration
PBT Persistent, Bioaccumulative and Toxic
vPvB very Persistent and very Bioaccumulative

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Dune Sciences, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Dune Sciences, Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

Annex to the extended Safety Data Sheet (eSDS)

No information available.