

SECTION 1 - IDENTIFICATION

MANUF / DIST: ZAPPY'S AUTO WASHES
8806 MENTOR AVE, UNIT D
MENTOR, OH 44060
PREPARER PHONE: 844-927-9274
24 HOUR EMERGENCY PHONE: INFOTRAC 1-800-535-5053

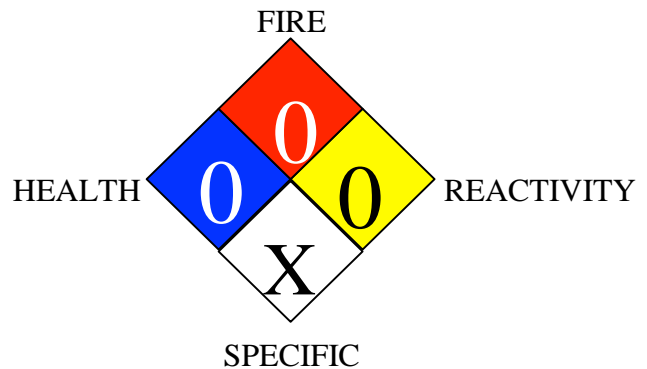
PRODUCT IDENTIFIER **HEAVY DUTY ENZYME CARPET CLEANER**
RECOMMENDED USE FOR INDUSTRIAL USE ONLY
FORMULA: PROPRIETARY RESTRICTIONS ON USE: *SEE
PRODUCT CODE: CLN_191 INFORMATION ON THIS SHEET* INTENDED USE INTERIOR
VEHICLE CLEANER

SECTION 2 - HAZARDOUS IDENTIFICATION

HAZARDOUS IDENTIFICATION SYSTEM:

HAZARD WARNING

- 4 - Extreme
- 3 - High
- 2 - Moderate
- 1 - Slight
- 0 - Insignificant
- X- See Section IV & V of SDS Sheet



SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Component	CAS Number	Weight%
2-butoxyethanol	111-76-2	<2.5%

SECTION 4 - FIRST AID MEASURES

General information: No special measures required.

After Inhalation: Supply fresh air; consult doctor in case of complaints.

After Skin Contact: Generally the product does not irritate the skin.

After Eye Contact: Rinse opened eye for several minutes under running water. **After**

Swallowing: If symptoms persist consult a doctor.

Information for Doctor:

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters:

Protective equipment: No special measures required.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Not required

Environmental precautions: Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See

Section 13 for disposal information.

SECTION 7 - HANDLING AND STORAGE

Handling:

Precautions for safe handling: No special measures required.

Information about protection against explosions and fires: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

Specific end use(s): No further relevant information available.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7

Control parameters

Components with limit values that require monitoring at the workplace:

111-76-2 2-butoxyethanol

PEL: Long-term value: 240 mg/m³, 50 ppm

Skin

REL: Long-term value: 24 mg/m³, 5 ppm

Skin

TLV: Long-term value: 97mg/m³. 20 ppm

BEI

Ingredients with biological limit values:

111-76-2 2-butoxyethanol

BEI: 200 mg/g creatinine

Medium: urine

Time: end of shift

Parameter: Butoxyacetic acid with hydrolysis

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures: the usual precautionary measures for handling chemicals should be followed.

Breathing equipment: Not required.

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. **Eye Protection:** Goggles recommended during refilling.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

Appearance:

Form: Liquid

Color: Green

Odor: Mild

Odor threshold: Not determined

pH-value at 20 C (68 F): 10.3

Auto igniting: Product is not self igniting

Change in condition:

Melting point/Melting range: Undetermined

Boiling point/Boiling range: 100 C (212 F)

Flash point: Not applicable

Flammability (solid, gaseous): Not applicable

Decomposition temperature: Not determined

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined

Upper: Not determined

Vapor pressure at 20 C (68 F): 23hPa (17 mm Hg)

Density at 20 C (68 F): 1.0209 g/cm³ (8.519 lbs/gal)

Relative density: Not determined

Vapor density: Not determined

Evaporation rate: Not determined

Solubility in/ Miscibility with Water: Fully miscible

Partition coefficient (n-octanol/water): Not determined

Viscosity:

Dynamic: Not determined

Kinematic: Not determined

Solvent content:

Organic solvents: 1.9%

Water: 92.0%

VOC content: 1.9%

Solids content: 5.1%

Other information: No further relevant information available.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: No further relevant information available.

Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects **Acute toxicity:**

Primary irritant effect:

On the skin: No irritant effect.

On the eye: No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories:

IARC (International Agency for Research on Cancer): 111-76-2 2-butoxyethanol **NTP (National Toxicology Program):** None of the ingredients is listed.

OSHA-Ca: None of the ingredients is listed.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity:

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General Notes: Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

SECTION 14 - TRANSPORT INFORMATION

UN-Number

DOT, ADR, ADN, IMDG, IATA Void

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA Void

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA Void

Packing group

DOT, ADR, IMDG, IATA Void

Environmental hazards:

Marine pollutant: No

Special precautions for user

Not applicable

Transport in bulk according to Annex II of

MARPOL 73/78 and the IBC Code Not applicable

UN "Model Regulation"

Void

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulation/legislation specific for the substance or mixture.

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): 111-76-2 2-butoxyethanol
7758-29-4 pentasodium triphosphate

TSCA (Toxic Substances Control Act): All ingredients are listed

Proposition 65:

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed

Chemicals known to cause developmental toxicity: None of the ingredients is listed

Carcinogenic categories:

EPA (Environmental Protection Agency): 111-76-2 2-butoxyethanol

TLV (Threshold Limit Value established by ACGIH): 111-76-2 2-butoxyethanol

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed

GHS label elements: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16 - OTHER INFORMATION

IN CLOSE COOPERATION OF THE US GOVERNMENT'S PAPER REDUCTION ACT, AND ALSO IN EFFORT TO PROVIDE FULL AND COMPLETE INFORMATION AS SUGGESTED BY THE OSHA GUIDELINES, AND KEEPING IN ALIGNMENT WITH THE SOCIETY for CHEMICAL HAZARD COMMUNICATION (SCHC) AND WE HAVE BEEN ABLE TO KEEP ALL IN 4 PAGES..

THESE SDS SHEETS ARE WRITTEN IN AN EFFORT TO PROVIDE INFORMATION TO THE WORKER IN THE WORKPLACE AND IN SUCH A WAY IT CAN BE UNDERSTOOD.

We have enjoyed many compliments as to the readability and understandable content, and take great pride in providing these Safety Data Sheets to the use of our customers.

The International Labor Organization has suggested 16 sections of the sheets, and we have re adjusted the 8 part, and rearranged the information, and renamed the sheets from MATERIAL Safety Data Sheets to SAFETY DATA SHEETS.

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED FOR A CONTINUING SAFETY PROGRAM INITIATED BY THE MANUFACTURER/DISTRIBUTOR NAMED ON THIS SHEET. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN.