MATERIAL SAFETY DATA SHEET

Scooba® Hard Floor Cleaner

MSDS DATE: 10/1 /2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 PRODUCT IDENTIFIER
PRODUCT NAME: iRobot Scooba Hard Floor Cleaner PRODUCT CODES: 8 55021 00905 7
SYNONYMS:

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST
1.2.1Relevant identified uses
Intended for general public Cleaning wood, tile, and stone flooring
1.2.2Uses advised against
No additional information available

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET
MANUFACTURER: ChemFree Solutions, Inc.
DIVISION: Naturally Clean
ADDRESS: 498 Kendry Avenue Bloomfield Hills, MI 48302
TEL: + 001 (1)-248-941-3475
email: www.irobot.com/global

1.4 EMERGENCY TELEPHONE NUMBER
EMERGENCY PHONE: In the USA 1-800-375-5059

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE

Not classified according to Directive 67/548/EEC

2.2 LABEL ELEMENTS
None required

2.3 OTHER HAZARDS
No additional information

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

< 5% Non ionic surfactants, Enzymes, Perfumes, Preservatives; Benzisothiazolinone

Tetranatrium 2-(1,2-dicarboxilatoethylimino)succinat has a classification of Carc Cat.3/Carc 2. This does not contribute to the classification as it is present at ≤ 1 .0 %.

SECTION 4: FIRST AID MEASURES

This product is not classified, the following are precautionary measures only.

4.1 DESCRIPTION OF FIRST AID MEASURES

EYES: Flush with cool water for 15 minutes. If irritation persists, call a physician

SKIN: Rinse with cool water. If redness or discomfort persists, call a physician

INGESTION: Drink cool water and call a physician. Do NOT induce vomiting

INHALATION: Remove to fresh air. Call a Physician

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS BOTH ACUTE AND DELAYED

EYES: May cause Eye Irritation

SKIN: May cause Mild Irritation

INGESTION: May cause Intestinal Discomfort

INHALATION: May cause Sensitization by Inhalation

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Product contains enzymes which in their dry form can cause respiratory sensitization in susceptible individuals. See section 4.1

SECTION 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA
Use an extinguishing media suitable for surrounding fires

5.2 SPECIAL HAZARDS ARISING FROM MIXTURE
None

5.3 ADVICE FOR FIREFIGHTERS
No specific instructions required. In case of inadequate ventilation wear respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
6.1.1 For non-emergency personnel
Ventilate area of spill. Wear suitable impervious gloves and eye/face protection. Dispose of outside of building immediately.

6.1.2 For emergency responders
Ventilate area of spill. Wear suitable impervious gloves and eye/face protection. Dispose of outside of building immediately.

6.2 ENVIRONMENTAL PRECAUTIONS
Ensure any spill rinsed down drain is diluted with plenty of water

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP
Rinse spill down drain with enough water to dilute solution as directed. If no drain is available, wipe spill with disposable material. Dispose of outside of building immediately.

6.4 REFERENCE TO OTHER SECTION
Refer to sections 8 and 13

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING
Avoid contact with eyes. Avoid contact with skin. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
Store in original container. Store at room temperature in well ventilated area. Do not store near food.
No further precautions under normal use

7.3 SPECIFIC END USE
Floor cleaner

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS
ENGINEERING CONTROLS: None Needed
VENTILATION: None needed

8.2 EXPOSURE CONTROLS

RESPIRATORY PROTECTION: None Needed

EYE PROTECTION: As with all cleaning products protective eye wear is recommended to prevent accidental entry into the eyes

SKIN PROTECTION: Wear gloves to prevent skin contact with undiluted product. None needed for diluted product

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None Needed

WORK HYGIENIC PRACTICES: None

EXPOSURE GUIDELINES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state :	Liquid
Appearance :	Liquid.
Colour :	Green.
Odour :	Orange
Odour threshold :	No data available
pH :	6.7
Solubility in water	Completely soluble
Melting point :	Not measured.
Freezing point :	0 degrees
Boiling point :	100 degrees
Flash point :	No data available
Relat. evapor. rate comp. to butylacetate :	Not measured. No volatile organic compounds.
Flammability (solid, gas) :	Not flammable.
Explosive limits :	Product is not explosive
Vapour pressure :	Not measured.
Relative vapour density at 20 °C :	>1
Relative density :	No data available
Specific gravity @ 20 ^{0}C :	1.035
Solubility :	Soluble in water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (cont.)

Log Pow :	No data available
Self ignition temperature :	Not measured.
Decomposition temperature :	Not measured.
Viscosity at 70 degrees Fahrenheit :	27 cPs

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY
No dangerous reactions known.
Hazardous polymerization does not occur

10.2 CHEMICAL STABILITY
Chemical stable under normal conditions

10.3 POSSIBILITY OF HAZARDOUS REACTIONS
None known

10.4 CONDITIONS TO AVOID
None known under normal conditions of use

10.5 INCOMPATIBLE MATERIALS
Not applicable. Do not mix with other chemicals.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS
None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Skin and Eye Irritation: When undiluted this product may cause skin and eye irritation.

Respiratory Sensitization and Irritation: This product contains enzymes which are classified as respiratory irritants. In their dry form enzymes (which are large protein molecules) can cause respiratory sensitization in susceptible individuals. There is no threshold for the induction of sensitization but allergic symptoms can be excluded when exposure does not exceed a range of 1 ng/m^3 (Hera, 2007). Prolonged inhalation exposure to enzymes may result in respiratory irritation. This product is a liquid; therefore inhalation exposure is unlikely, unless the vapour is inhaled. Inaddtion, the percentage of enzymes present is less than 1 %.

Acute Toxicity: None of the ingredients in this product are known to cause toxicity via the dermal, oral or inhalation route to a degree that requires classification. However, oral ingestion may result in some discomfort.

Mutagenicity: none of the ingredients in this product are classified as mutagenic

Carcinogenicity: Tetranatrium 2-(1,2-dicarboxilatoethylimino)succinat is a class 2 carcinogen. This means that it is a suspected human carcinogen based on inconclusive evidence from animal or human studies.

Reproductive toxicity: none of the ingredients in this product are classified as reproductive toxicants

CMR properties: Tetranatrium 2-(1,2-dicarboxilatoethylimino)succinat is a class 2 carcinogen

Specific target organ toxicity – single exposure: none

Specific target organ toxicity – repeat exposure: repeated inhalation exposure may result in respiratory inhalation, but not to a degree that requires classification.

11.2 ASPIRATION HAZARD
None

11.3 LIKELY ROUTES OF EXPOSURE
Inhalation: No
Skin and eyes: Yes
Ingestion: No – except in accidental cases

11.2 POTENTIAL HEALTH EFFECTS
Exposure to the undiluted product may cause skin irritation and eye damage.

11.5 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None known

SECTION 12: ECOLOGICAL INFORMATION

12.1 ECOTOXICITY
None of the ingredients in this product are present at a level which requires classification. Under normal conditions of use the product will only enter the water course when diluted

12.2 PERSISTENCE AND DEGRADABILITY
This enzymes biodegrade

12.3 BIO ACCUMULATIVE POTENTIAL
None of the substances in this mixture are known to bioaccumulate

12.4 MOTILITY IN SOIL
Not known

12.5 RESULTS OF PBT AND VPVB ASSESSMENT
This mixture does not contain any substances that are assessed to be PBT or vPvB.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS
Dilute solution as directed and dispose in regular drain lines

SECTION 14: TRANSPORT INFORMATION

pH Neutral Detergent. No dangerous foods in sense of transport regulations

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE MIXTURE
15.1.1 EU-Regulations

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 Dec 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Regulation (EC) no 1907/2006 of the European Parliament and of the Council of 18 Dec 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents

SECTION 16: OTHER INFORMATION

References;
HERA (2007) Human & Environmental Risk Assessment on ingredients of household cleaning products Subtilisins (Protease) CAS No: 9014-01-1, 1395-21-7, 9073-77-2, 9001-92-7, 79986-26-8, 95979-76-3, 68909-17-1 Edition 2.0 February 2007

There will continue to be no classifcation for this mixture when the classification criteria of Regulation (EC) No 1278/2008 are applied.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.