



ECO CLEANING SOLUTIONS

PRODUCT INFORMATION SHEET

MULTI-SHINE FLOOR MAINTAINER

PRODUCT INFORMATION:

Fresh fragranced, high quality, high gloss, water based, floor maintainer designed to clean & produce a high gloss finish. Suitable for damp mop, spray burnish or high speed floor machines on vinyl, rubber, terrazzo, marble, polished & sealed floors.

ADVANTAGES:

EFFECTIVE SOIL REMOVAL:	Multi-Shine contains a blend of non-ionic surfactants which lifts both fatty and proteinaceous soiling to remove scuff marks and restore gloss finish and increases slip resistance and polish durability.
RESTORES GLOSS FINISH:	Cleans & restores the gloss on polished floors
SLIP RESISTANT:	Bufs to a slip resistant gloss finish
EASY TO USE:	Suitable for damp mopping and spray burnishing and can be applied by mop, sponge or trigger spray to most floors including vinyl, rubber, terrazzo, marble, polished & sealed floors.
BIODEGRADABLE:	Readily biodegradable water based product.
FRESH FRAGRANCE:	Contains a fresh perfume to leave floors & rooms with a clean fresh fragrance
SOLUBILITY:	100% soluble in water.

DIRECTIONS FOR USE:

Spray Buffing: Dilute 1:40 or 20mls per 750ml trigger spray with potable water. Doing small sections of floor at a time, spray over area of floor to be buffed. Using a high speed floor machine with the appropriate buffing pad, buff the area to shine. **Mopping:** Dilute 1:200 or 5mls per litre of water & apply liberally with mop. Continually soaking up excess liquid to leave floor as dry as possible

HEALTH AND SAFETY: See Safety Data Sheet.

PACKAGING:

All our plastic drums are high molecular weight; high-density polyethylene designed to bring the product to the customer in perfect conditions.
Size: 5Lt Drum.

QUALITY ASSURANCE:

This product is manufactured in Ireland to ISO 9002 quality standards & conforms to R.E.A.C.H & CLP regulations. Shelf life: Not less than 3 years.

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PRODUCT NAME: MULTI-SHINE FLOOR MAINTAINER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name MULTI-SHINE FLOOR MAINTAINER

Product No. HR 503

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

Identified uses: Floor Maintainer

1.3. Details of the supplier of the safety data sheet

Supplier JSK Eco Cleaning Solutions, Tramore Road, Cork, Ireland

Tel: +353-21 4318545 Fax: +353-21 4312459

Email: info@jskcleaning.ie

1.4. Emergency Contact: National Poisons Information Centre, Beaumont Hospital, Beaumont Road, Dublin 9. Tel: +353(01)8092566

SECTION 2: HAZARDS IDENTIFICATION

Classification: Regulation (EC) No 1272/2008: H302, H318

Human health: Harmful if swallowed. Causes serious eye damage

Environment: This product is Readily Biodegradable and not expected to be hazardous to the environment.

2.2. Label elements

Detergent Labelling: Contains: Non-ionic surfactants

Labelling



DANGER



WARNING

Hazard Phrases H302 Harmful if swallowed
H318 Causes serious eye damage

Precautionary Statements

P102 Keep out of the reach of children
P262 Do not get in eyes, on skin or on clothing
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product.
P280 Wear eye protection
P301 IF SWALLOWED: Rinse mouth. Call a poison centre or doctor if & 312 you feel unwell.
P305 IF IN EYES: Flush eyes with water, remove contact lenses if & 310 present & continue rinsing. Immediately call a poison centre or doctor/physician.
P501 Dispose of contents/container in accordance with local regulations

2.3. Other hazards N/A

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ALCOHOL ETHOXYLATE	5-10%
CAS-No.: 68439-45-2	EC No.:
Classification (EC 1272/2008)	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	

A Full Text for all Hazard Statements are Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.
Skin Contact:	Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention if irritation persists.
Eye Contact:	Flush eyes with water immediately. Obtain medical attention immediately
Ingestion:	DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention if any discomfort continues.
Protection of first aider:	Avoid ingestion, contact with eyes (see Section 8.)

4.2. Most important symptoms and effects, both acute and delayed

Inhalation:	Spray mists may cause respiratory tract irritation.
Ingestion:	May cause internal injury, pain and/or vomiting
Skin contact:	Prolonged or excessively exposure may cause skin dryness or cracking
Eye contact:	Damaging to eyes, may lead to the product affecting the natural lubrication of the eye & cause redness &/or tearing

4.3. Indication of any immediate medical attention and special treatment needed

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:	This product is flammable. Use appropriate extinguishing media for surrounding materials
5.2 Unsuitable:	N/A
5.3 Specific Hazards:	Avoid breathing fire vapours. Harmful vapours or gases may be formed in a fire
5.4 Special Equipment for the protection of Fire Fighters:	Wear full protective clothing & breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions:	Avoid ingestion, contact with eyes (see Section 8.)
6.2 Environmental Precautions:	No special measures required
6.3 Methods for Cleaning up:	Small Spills - Flush with water. Large Spills - Contain and collect spillage and absorb on to sand for disposal.

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SECTION 7: HANDLING AND STORAGE

7.1 Handling

Technical Measures: No special measures required.
Safe Handling Advice: Avoid contact with eyes. Comply with instructions for use.

7.2 Storage

Technical Measures: No special measures required.
Storage Conditions: Store in a cool dry place away from oxidizing agents.
Incompatible Products: None known.
Packaging: Plastic Drums.
Packaging Materials: Recommended: Plastic Materials, Polyethylene, Polypropylene. Not Suitable – N/A.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Engineering Measures: No special measures required.

8.2 Personal Protection Equipment:



Respiratory Protection: Provide adequate ventilation in areas of confined space.
Hand Protection: Use Chemical Resistant Gloves to EN Standard 374 Level 1, Letter Code K
Eye Protection: Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher
Skin Protection: Wear Plastic Apron EN Standard 13034 Type PB[6] & Face Shield EN Standard 166 Level 3 or higher

8.3 Hygiene Measures: Handle in accordance with good industrial hygiene and safety practices.

8.4 Occupational Exposure Limits: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- | | | |
|----|---|------------------------|
| a) | Appearance: | Pink Liquid. |
| b) | Odour: | Perfumed |
| c) | Odour threshold: | N/A |
| d) | pH: | 7+/-0.5 (undiluted) |
| e) | Melting point / freezing point: | No data available |
| f) | Initial boiling point & boiling range: | 100°C |
| g) | Flash point: | No data available |
| h) | Evaporation rate: | No data available |
| i) | Flammability solid, gas: | No data available |
| j) | Upper/lower flammability or explosive limits: | No data available |
| k) | Vapour pressure: | No data available |
| l) | Vapour density: | No data available |
| m) | Relative density: | 1.00kg/dm ³ |
| n) | Solubility(ies): | Soluble in Water |
| o) | Partition coefficient: n-octanol/water: | No data available |
| p) | Auto-ignition temperature: | No data available |
| q) | Decomposition temperature: | No data available |
| r) | Viscosity: | No data available |
| s) | Explosive properties: | No data available |
| t) | Oxidizing properties: | No data available |

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SECTION 10: STABILITY AND REACTIVITY

<u>10.1. Reactivity:</u>	There are no known reactivity hazards associated with this product.
<u>10.2. Chemical stability:</u>	Stable under normal temperature conditions and recommended use.
<u>10.3. Possibility of hazardous reactions:</u>	Hazardous Polymerisation N/A
<u>10.4. Conditions to avoid:</u>	Do not mix with strong acids or oxidising agents.
<u>10.5. Incompatible materials:</u>	Strong acids or oxidising agents.
<u>10.6. Hazardous decomposition products:</u>	None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Inhalation: Spray mists may cause respiratory tract irritation.

Ingestion: May cause internal injury, pain and/or vomiting

Skin contact: Prolonged or excessively exposure may cause skin dryness or cracking

Eye contact: Damaging to eyes, may lead to the product affecting the natural lubrication of the eye & cause redness &/or tearing

11.2. Toxicological information on ingredients:

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rat

REACH dossier information

Acute Toxicity (Inhalation LC50)

> 1.6 mg/l (dust/mist) Rat 4 hours

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SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity:

Not regarded as dangerous for the environment. The product is easily biodegradable.

12.1. Toxicity

Ecological information on ingredients:

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Acute Toxicity - Fish

LC50 96 hours 0.59 mg/l Pleuronectes platessa

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 0.14 mg/l Daphnia magna

REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 72 hours 0.75 mg/l Selenastrum capricornutum

REACH dossier information

12.2. Persistence and degradability

Degradability: The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Biodegradation. Activated sludge Degradation (72%) 28 days

REACH dossier information

The substance is readily biodegradable.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Bioaccumulation factor

BCF 12.7 Pimephales promelas (Fat-head Minnow)

REACH dossier information

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information: Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Consign empty container to normal waste.

13.1. Waste treatment methods

Dispose of waste in accordance with local regulations. Recover, reclaim or recycle, where possible.

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SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods:

REGULATIONS	CLASS
RID/ADR:	N/A
ICAO/IATA-DGR:	N/A
GGVSee/IMDG-Code:	N/A

14.1. UN number

None

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

N/A.

14.4. Packing Group

N/A

14.5. Environmental Hazards

None known

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

Corresponding to Preparations Regulations S.I. No. 62 of 2004

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

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

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

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SECTION 16: OTHER INFORMATION

Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

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Hazard Statements In Full

H318 Causes serious eye damage

H302 Harmful if swallowed

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.