



## SAFETY DATA SHEET

### Floorsmart Cleanse

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

##### 1.1. Product identifier

**Product name** Floorsmart Cleanse

**Product number** 745-10

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

**Identified uses** Detergent.

**Uses advised against** For professional use only. This product is not recommended for any industrial, professional or consumer use other than the Identified uses above.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Autosmart International Ltd  
Lynn Lane,  
Shenstone, nr Lichfield  
Staffordshire. WS14 0DH  
England  
www.autosmartinternational.com  
Tel: +44 (0) 1543 481616 (09:00 - 17:00)  
Fax: +44 (0) 1543 481549 (09:00 - 17:00)  
info@autosmartinternational.com

**Contact person** Mr. Russell Butler

##### 1.4. Emergency telephone number

**Emergency telephone** Mob: +44 (0) 7808 971321 (24hrs)  
Tel: +44 (0) 1543 481616 (09:00 - 17:00)  
Fax: +44 (0) 1543 481549 (09:00 - 17:00)

If you urgently need medical help or advice but it's not a life-threatening situation, call 111 free from any phone to speak to an NHS adviser. The 24-hour NHS 111 service can give you healthcare advice or direct you to the local service that can help you best.

The NHS 111 service will also be available via the harmonised European number for medical advice 116 117

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

**Physical hazards** Met. Corr. 1 - H290

**Health hazards** Skin Corr. 1B - H314 Eye Dam. 1 - H318

**Environmental hazards** Not Classified

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**Classification (67/548/EEC or 1999/45/EC)** C;R34.

### 2.2. Label elements

#### Pictogram



#### Signal word

Danger

#### Hazard statements

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

#### Precautionary statements

P260 Do not breathe vapour/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Contains

SODIUM HYDROXIDE

#### Detergent labelling

< 5% amphoteric surfactants, < 5% cationic surfactants, < 5% non-ionic surfactants, < 5% perfumes

#### Supplementary precautionary statements

P264 Wash contaminated skin thoroughly after handling.  
P363 Wash contaminated clothing before reuse.  
P501 Dispose of contents/container in accordance with national regulations.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>SODIUM HYDROXIDE</b>		<b>2-5%</b>
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-xxxx
Substance with a Community workplace exposure limit.		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Met. Corr. 1 - H290	C;R35	
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		

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<b>POTASSIUM HYDROXIDE</b>		<b>0.2-0.5%</b>
CAS number: 1310-58-3	EC number: 215-181-3	REACH registration number: 01-2119487136-33-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Met. Corr. 1 - H290	C;R35 Xn;R22	
Acute Tox. 4 - H302		
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	CAUTION! First aid personnel must be aware of own risk during rescue!
<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	May cause chemical burns in mouth and throat. May cause discomfort if swallowed. May cause stomach pain or vomiting.
<b>Skin contact</b>	Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.
<b>Eye contact</b>	May cause blurred vision and serious eye damage. Severe irritation, burning and tearing.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Oxides of the following substances: Carbon. Nitrogen. No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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### 5.3. Advice for firefighters

**Protective actions during firefighting** No specific firefighting precautions known.

**Special protective equipment for firefighters** Use air-supplied respirator, gloves and protective goggles. Use protective equipment appropriate for surrounding materials.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** For personal protection, see Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. Wash thoroughly after dealing with a spillage. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Read and follow manufacturer's recommendations. Eye wash facilities and emergency shower must be available when handling this product.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep above the chemical's freezing point to avoid rupturing the container. Store in closed original container at temperatures between 5°C and 30°C.

**Storage class** Corrosive storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

#### POTASSIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

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WEL = Workplace Exposure Limit

### SODIUM HYDROXIDE (CAS: 1310-73-2)

#### DNEL

Consumer - Inhalation; Short term : 1 mg/m<sup>3</sup>

Industry - Inhalation; Short term : 1 mg/m<sup>3</sup>

Industry - Inhalation; Long term : 1 mg/m<sup>3</sup>

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

#### Hand protection

Wear protective gloves made of the following material: Rubber (natural, latex). Use thin cotton gloves inside the rubber gloves if allergy risk. Polyvinyl chloride (PVC). It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

#### Other skin and body protection

Provide eyewash station.

#### Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Use appropriate hand lotion to prevent defatting and cracking of skin. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

#### Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Appearance	Coloured liquid.
Colour	Brown.
Odour	Mild.
Odour threshold	Not available. Not available.
pH	pH (concentrated solution): ~ 13.4 pH (diluted solution): ~ 12.4 @1%
Melting point	~ 0°C
Initial boiling point and range	~ 100°C @ 760 mm Hg
Flash point	Not applicable.
Evaporation rate	Not available.
Upper/lower flammability or explosive limits	Not applicable. : : Not applicable.

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Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	~ 1.080 @ (20°C)°C
Solubility(ies)	Soluble in water.
Partition coefficient	: < 0
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not available.
Viscosity	~ 1 cSt @ 20°C
Oxidising properties	Does not meet the criteria for classification as oxidising.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

### 9.2. Other information

**Volatile organic compound** This product contains a maximum VOC content of 0 g/litre.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not applicable. Will not polymerise.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time. Avoid freezing.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** No specific hazardous decomposition products noted.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** No significant health hazards when used for designed purpose and application and when used in accordance with instructions.

### Skin corrosion/irritation

**Human skin model test** Scientifically unjustified.

### Extreme pH

The classification is based on the criteria for extreme pH values, under Regulation (EC) 1272/2008, Annex I, section 3.2.3.1.2. Classification based on Conventional Method, and In Vitro Approaches - Corrosive or Irritant by measuring pH and Acid/Alkali Reserve. ≥ 11.5 Corrosive.

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<b>General information</b>	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
<b>Inhalation</b>	May cause respiratory system irritation.
<b>Ingestion</b>	Causes burns.
<b>Skin contact</b>	Causes burns.
<b>Eye contact</b>	Causes burns.
<b>Acute and chronic health hazards</b>	This product is corrosive. This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns. No specific acute or chronic health impact noted, but this chemical may still have adverse impact on human health, either in general or on certain individuals with pre-existing or latent health problems.
<b>Route of entry</b>	Ingestion. Skin and/or eye contact
<b>Target organs</b>	No specific target organs known.

### Toxicological information on ingredients.

#### SODIUM HYDROXIDE

<b>Other health effects</b>	There is no evidence that the product can cause cancer.
<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	2,000.0
<b>Species</b>	Rat
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Not classified as a specific target organ toxicant after a single exposure.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Not classified as a specific target organ toxicant after repeated exposure.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not anticipated to present an aspiration hazard, based on chemical structure.
<b><u>Route of entry</u></b>	
<b>Route of entry</b>	Skin absorption Ingestion. Skin and/or eye contact
<b>Target organs</b>	No specific target organs known.

#### POTASSIUM HYDROXIDE

<b>Other health effects</b>	There is no evidence that the product can cause cancer.
<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	273.0
<b>Species</b>	Rat
<b><u>Skin sensitisation</u></b>	

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**Skin sensitisation** Guinea pig maximization test (GPMT) - : Not sensitising.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

## SECTION 12: Ecological Information

**Ecotoxicity** The product contains a substance which is harmful to aquatic organisms. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms. The product is not expected to be hazardous to wastewater treatment processes. The product does not contain organic complexing agents with a DOC level of degradation of < 80% after 28 days. The product does not contain organically bound halogen.

### Ecological information on ingredients.

#### SODIUM HYDROXIDE

**Ecotoxicity** The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

#### POTASSIUM HYDROXIDE

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

**Acute toxicity - fish** Not determined.

**Acute toxicity - aquatic invertebrates** Not determined.

**Acute toxicity - aquatic plants** Not determined.

**Acute toxicity - microorganisms** Not determined.

**Acute toxicity - terrestrial** Not determined.

### Ecological information on ingredients.

#### SODIUM HYDROXIDE

**Acute toxicity - fish** LC50, 48 hours, 48 hours: ~ 189 mg/l, Leuciscus idus (Golden orfe)  
LC<sub>50</sub>, 96 hours: 125 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours, 48 hours: > 100 mg/l, Daphnia magna  
EC<sub>50</sub>, 48 hours: 40-240 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** Not known.

#### POTASSIUM HYDROXIDE

**Acute toxicity - fish** LC50, 96 hours, 96 hours: 80 mg/l, Freshwater fish

### 12.2. Persistence and degradability



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**Persistence and degradability** The surfactant(s) contained in this product complies(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. The product is biodegradable but it must not be discharged into drains without permission from the authorities.

### Ecological information on ingredients.

#### SODIUM HYDROXIDE

**Persistence and degradability** The product contains only inorganic substances which are not biodegradable. The product is potentially degradable.

**Stability (hydrolysis)** Not applicable.

**Biological oxygen demand** ~ 0 g O<sub>2</sub>/g substance

#### POTASSIUM HYDROXIDE

**Persistence and degradability** The product is biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient** : < 0

### Ecological information on ingredients.

#### SODIUM HYDROXIDE

**Bioaccumulative potential** The product is not bioaccumulating.

#### POTASSIUM HYDROXIDE

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product is non-volatile. The product is soluble in water.

### Ecological information on ingredients.

#### SODIUM HYDROXIDE

**Mobility** The product is soluble in water.

**Henry's law constant** The product contains mainly inorganic substances which are not biodegradable.

#### POTASSIUM HYDROXIDE

**Mobility** The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### Ecological information on ingredients.

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### SODIUM HYDROXIDE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### POTASSIUM HYDROXIDE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

#### 12.6. Other adverse effects

**Other adverse effects** None known.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**General information** The packaging must be empty (drop-free when inverted).

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Discharge of small quantities to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Larger quantities should be treated in a suitable plant or disposed of via a licensed waste disposal contractor. Packaging: Reuse or recycle products wherever possible.

### **SECTION 14: Transport information**

**General** For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

#### 14.1. UN number

**UN No. (ADR/RID)** 1824

**UN No. (IMDG)** 1824

**UN No. (ICAO)** 1824

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** SODIUM HYDROXIDE SOLUTION

**Proper shipping name (IMDG)** SODIUM HYDROXIDE SOLUTION

**Proper shipping name (ICAO)** SODIUM HYDROXIDE SOLUTION

**Proper shipping name (ADN)** SODIUM HYDROXIDE SOLUTION

#### 14.3. Transport hazard class(es)

**ADR/RID class** 8

**ADR/RID label** 8

**IMDG class** 8

**ICAO class/division** 8

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### Transport labels



#### 14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

IMDG Code segregation group 18. Alkalis

EmS F-A, S-B

Emergency Action Code 2W

Hazard Identification Number (ADR/RID) 80

Tunnel restriction code (E)

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Not applicable.

### SECTION 15: Regulatory information

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

**National regulations** Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

**EU legislation** Dangerous Preparations Directive 1999/45/EC.  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
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 (as amended).

**Guidance** Workplace Exposure Limits EH40.  
Safety Data Sheets for Substances and Preparations.

**Water hazard classification** WGK 2

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

## Floorsmart Cleanse

<b>General information</b>	This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems. Only trained personnel should use this material.
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Issued by</b>	Prepared by Autosmart International Ltd, Lynn Lane, Shenstone, Lichfield, Staffordshire, WS14 0DH, Great Britain. www.autosmartinternational.com rbutler@autosmart.co.uk Tel +44 (0)1543 481616
<b>Revision date</b>	24/03/2015
<b>Revision</b>	13
<b>Supersedes date</b>	20/03/2015
<b>SDS number</b>	10590
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	R22 Harmful if swallowed. R35 Causes severe burns.
<b>Hazard statements in full</b>	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.