



SAFETY DATA SHEET
Floorsmart Cleanse

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

1.1. Product identifier

Product Name Floorsmart Cleanse
Product No. 745-5

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

Identified uses Detergent
Uses Advised Against None

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

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

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) C;R34.

2.2. Label elements

Contains: SODIUM HYDROXIDE

Detergent Labelling:
< 5% NTA (nitrilotriacetic acid) and salts thereof
Non-ionic surfactants
Amphoteric surfactants
Cationic surfactants
Perfumes

Labelling



Corrosive

Risk Phrases

R34 Causes burns.

Safety Phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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S35

This material and its container must be disposed of in a safe way.

2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

SODIUM HYDROXIDE	1-5%
CAS-No.: 1310-73-2	EC No.: 215-185-5
Classification (EC 1272/2008) Skin Corr. 1A - H314	Classification (67/548/EEC) C;R35
TRISODIUM NITRILOTRIACETATE	1-5%
CAS-No.: 5064-31-3	EC No.: 225-768-6
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Carc. 2 - H351	Classification (67/548/EEC) Carc. Cat. 3;R40 Xn;R22 Xi;R36
PHENOL ETHOXYLATE	1-5%
CAS-No.: 9004-78-8	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xi;R36/38.
Quaternary coco alkyl methyl amine ethoxylate methyl chloride	1-5%
CAS-No.:	EC No.:
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. Xi;R38,R41. N;R50.
POTASSIUM HYDROXIDE	< 1%
CAS-No.: 1310-58-3	EC No.: 215-181-3
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Corr. 1A - H314	Classification (67/548/EEC) C;R35 Xn;R22

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Information

CAUTION! First aid personnel must be aware of own risk during rescue!

Inhalation.

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately!

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Skin Contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye Contact

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention if any discomfort continues.

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

General Information

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

Inhalation.

Coughing, chest tightness, feeling of chest pressure.

Ingestion

May cause chemical burns in mouth and throat. May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin Contact

Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

Eye Contact

May cause blurred vision and serious eye damage. Extreme irritation of eyes and mucous membranes, including burning and tearing.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific Hazards

Oxides of: Carbon. Nitrogen.

5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective Measures In Fire

Face mask, protective gloves and safety helmet. Use protective equipment appropriate for surrounding materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2. Environmental precautions

Do not discharge onto the ground or into water courses. To prevent release, place container with damaged side up.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. 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 area clean with lots of water. Be aware of potential for surfaces to become slippery. Flush to sewer if local regulations permit.

6.4. 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

Avoid spilling, skin and eye contact. 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

Store in tightly closed original container in a dry, cool and well-ventilated place.

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Storage Class

Corrosive storage.

7.3. 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
POTASSIUM HYDROXIDE	WEL				2 mg/m ³	
SODIUM HYDROXIDE	WEL				2 mg/m ³	

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective Equipment



Engineering Measures

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

Respiratory Equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand Protection

Use protective gloves made of: Rubber (natural, latex). Polyvinyl chloride (PVC). The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye Protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection

Provide eyewash station.

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Coloured liquid
Colour	Brown
Odour	Mild
Solubility	Soluble in water.
Initial Boiling Point and Boiling Range:	~ 100 760 mm Hg
Melting Point (°C)	~ 0
Relative Density	~ 1.080 (20°C)
Vapour Density (Air=1)	Not applicable.
Vapour Pressure	Not applicable.
Evaporation Rate	Not available.
pH-Value, Conc. Solution	~ 13
pH-Value, Diluted Solution	~ 11.5 @1%
Viscosity	~ 1 cSt @ 20 °c
Decomposition Temperature (°C)	Not available.

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Odour Threshold, Lower

Not available.

Odour Threshold, Upper

Not available.

Flash Point (°C)

Not applicable.

Auto Ignition Temperature (°C)

Not applicable.

Flammability Limit - Lower(%)

Not applicable.

Flammability Limit - Upper(%)

Not applicable.

Partition Coefficient
(N-Octanol/Water) < 0

Oxidising Properties

Does not meet the criteria for oxidising.

Comments Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

9.2. Other information

Volatile Organic Compound (VOC) 0 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid contact with acids.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Strong acids.

10.6. Hazardous decomposition products

No specific hazardous decomposition products noted.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Skin Corrosion/Irritation - Animal Data

Scientifically unjustified.

Skin Corrosion/Irritation - Human Skin Model Test

Scientifically unjustified.

Skin Corrosion/Irritation - Extreme ≥ 11.5

pH

Corrosive

Classification based on Conventional Method, and In Vitro Approaches - Corrosive or Irritant by measuring pH and Acid/Alkali Reserve.

General Information

This product has low toxicity. Only large volumes may have adverse impact on human health.

Inhalation

May cause irritation to the respiratory system.

Ingestion.

Causes burns.

Skin Contact

Causes burns.

Eye Contact

Causes burns.

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Health Warnings

This chemical may cause skin/eye irritation and burns (corrosive). This substance is corrosive.

Route of entry

Ingestion. Skin and/or eye contact.

Target Organs

No specific target organs noted.

Medical Symptoms

GENERAL SYMPTOMS. Skin contact may cause: Eye contact may cause: Ingestion may cause: Chemical burns.

Name POTASSIUM HYDROXIDE

Toxic Dose 1 - LD 50 365 mg/kg (oral rat)

Other Health Effects

This substance has no evidence of carcinogenic properties.

Name SODIUM HYDROXIDE

Toxic Dose 1 - LD 50 40 mg/kg (oral-mouse)

Toxic Dose 2 - LD 50 325 mg/kg (oral rat)

Other Health Effects

This substance has no evidence of carcinogenic properties.

Name TRISODIUM NITRILOTRIACETATE

Toxic Dose 1 - LD 50 1000-2000 mg/kg (oral rat)

Toxicological Information

Nitrilotriacetic acid, trisodium salt (NTA) has caused kidney tumours in rats and mice when administered orally in high concentrations. The tumours are based on organ damage that can only occur when extremely high threshold limit concentrations, as compared with possible human exposure, are exceeded. In view of the potential degree of exposure, there should be no cancer risk to humans.

Name PHENOL ETHOXYLATE

Toxic Dose 1 - LD 50 >2000 mg/kg (oral rat)

Name Quaternary coco alkyl methyl amine ethoxylate methyl chloride

Toxic Dose 1 - LD 50 300-2000 mg/kg (oral rat)

Other Health Effects

This substance has no evidence of carcinogenic properties.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

The product contains a substance which is harmful to aquatic organisms. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms. The product is not expected to be hazardous to waste water 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.

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.

12.2. Persistence and degradability

Degradability:

The surfactant(s) contained in this preparation 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.

12.3. Bioaccumulative potential

Bioaccumulative Potential:

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

Partition Coefficient < 0

12.4. Mobility in soil

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Mobility:

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

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

12.6. Other adverse effects

None known.

Name POTASSIUM HYDROXIDE

LC 50, 96 Hrs, Fish mg/l

80-85

EC 50, 48 Hrs, Daphnia, mg/l

40-240

Mobility

The product is soluble in water.

Bioaccumulative Potential

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

Degradability

The product is biodegradable.

Name SODIUM HYDROXIDE

Ecotoxicity

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

LC 50, 96 Hrs, Fish mg/l

125

EC 50, 48 Hrs, Daphnia, mg/l

40-240

Mobility

The product is soluble in water.

Bioaccumulative Potential

The product is not bioaccumulating.

Degradability

The product is biodegradable.

Name TRISODIUM NITRILOTRIACETATE

LC 50, 96 Hrs, Fish mg/l

114-470

EC 50, 48 Hrs, Daphnia, mg/l

560-1,000

IC 50, 72 Hrs, Algae, mg/l

180-320

Mobility

The product is soluble in water.

Bioaccumulative Potential

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

Degradability

The product is biodegradable.

Name PHENOL ETHOXYLATE

LC 50, 96 Hrs, Fish mg/l

>100

Mobility

The product is soluble in water.

Bioaccumulative Potential

The product is not bioaccumulating.

Degradability

The product is biodegradable.

Name Quaternary coco alkyl methyl amine ethoxylate methyl chloride

EC 50, 48 Hrs, Daphnia, mg/l

1

Mobility

The product is soluble in water.

Bioaccumulative Potential

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

Degradability

The product is biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

General Information

The packaging must be empty (drop-free, when inverted)

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical. Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction.

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SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

UN No. (ADR/RID/ADN)	1824
UN No. (IMDG)	1824
UN No. (ICAO)	1824

14.2 UN Proper shipping name

Proper Shipping Name	SODIUM HYDROXIDE SOLUTION
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14.3 Transport hazard class(es)

ADR/RID/ADN Class	8
ADR/RID/ADN Class	Class 8: Corrosive substances.
ADR Label No.	8
IMDG Class	8
ICAO Class/Division	8
Transport Labels	

**14.4. Packing group**

ADR/RID/ADN 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 No. (ADR)	80
Tunnel Restriction Code	(E)

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

Not applicable.

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40.

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), 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, including amendments. 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.

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.

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Water Hazard Classification

WGK 2

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General Information

This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.

Only trained personnel should use this material.

Revision Date 12/05/2011

Revision 7

Supersedes Date 13/09/2010

Risk Phrases In Full

R35	Causes severe burns.
R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

Hazard Statements In Full

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H302	Harmful if swallowed.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.

Disclaimer

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.