Product TruWash Floor Cleaner

Revision date 22 January 2021

Revision 3

Safety Data Sheet (SDS)

according to Regulation (EC) No. 1907/2006

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

1.1 Product identifier

Product name Truwash Floor Cleaner

Product no. HSC608

Other means of identification No information available.

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

Identified uses Cleaning agent.

Product is for professional use only.

Uses advised against Any other purpose.

1.3 Details of the supplier of the safety data sheet

Supplier Kitchenmaster NI Ltd

11 Comber Road

Belfast BT8 8AN United Kingdom Tel: 028 90814777

Contact person sales@kitchenmaster-ni.com

1.4 Emergency telephone number

Emergency telephone Emergency Telephone Number: 028 9081 4777 08:30 – 17:00 Monday to Thursday 08:30 –

16:30 Friday

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and chemical hazards Not classified
Human health Eye Dam. 1 - H318
Environment Not classified

2.2 Label elements

Contains Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts

Alcohols, C12-13, branched and linear, ethoxylated

 $1\hbox{-} Propanaminium, 3\hbox{-} amino\hbox{-} N\hbox{-} (carboxymethyl)\hbox{-} N, N\hbox{-} dimethyl\hbox{-}, N\hbox{-} C8\hbox{-} 18 (even numbered) acyler (even numb$

derivs., hydroxides, inner salts

Bornan-2-one

Detergent labeling <5% anionic surfactants

<5% non-ionic surfactants <5% amphoteric surfactants

Label in accordance with (EC) no.

1272/2008



Signal word Danger

Hazard statements

H318 Causes serious eye damage.

Precautionary statements

Prevention

P280 Wear protective gloves/ protective clothing/eye protection/face protection.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.

2.3 Other hazards

None known.

Section 3: Composition/identification of ingredients

3.1 Substance

Not applicable.

3.2 Mixtures

Name	Product identifier	Regulation (EC) No 1272/2008	%
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	CAS-No.: 68891-38-3 EC No.: 500-234-8 REACH Reg No.: 01-2119488639-16-XXXX	Skin Irrit.2 - H315, Eye Dam. 1 - H318, Aquatic Chronic 3 - H412	1-5%
Alcohols, C12-13, branched and linear, ethoxylated	CAS-No.: 160901-19-9 EC No.: 931-954-4	Acute Tox 4 - H302, Eye Dam. 1 - H318, Aquatic Chronic 3 - H412	1-5%
1-Propanaminium, 3-amino- N-(carboxymethyl)-N,N-dimethyl-, N-C- -18(even numbered) acyl derivs., hydroxides, inner salts	CAS-No.: EC No.: 931-296-8 REACH Reg No.: 01-2119488533-30-XXXX	Eye Dam. 1 - H318, Aquatic Chronic 3 - H412	1-5%
sodium xylenesulphonate	CAS-No.: 1300-72-7 EC No.: 215-090-9 REACH Reg No.: 01-2119513350-56-0001	Eye Irrit.2A - H319	0.1-1%
diethyl phthalate	CAS-No.: 84-66-2 EC No.: 201-550-6		<0.1%
citral	CAS-No.: 5392-40-5 EC No.: 226-394-6 REACH Reg No.: 01-2119462829-23-XXXX	Skin Irrit.2 - H315, Eye Irrit.2A - H319, Skin. Sens 1 B- H317	
Bornan-2-one	CAS-No.: 76-22-2 EC No.: 200-945-0	Acute Tox 4 - H302, Acute Tox 4 - H332, Skin Irrit.2 - H315, Eye Dam. 1 - H318, STOT SE 2 - H371, Flam. Sol 2- H228, Aquatic Chronic 2 - H411	

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts: Specific Concentration Limits = H319, Eye Irrit. 2, >= 5 - < 10: H318, Eye Damage 1 >= 10. 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts: Specific Concentration limits = H319 Eye Irrit. 2 > 4 - <= 10; H318 Eye Damage 1 > 10.

Section 4: First aid measures

4.1 Description of first aid measures

General information

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

Inhalation

Remove person to fresh air and keep comfortable for breathing. If not breathing, give

Ingestion

artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

If this product is ingested, remove victim immediately from source of exposure. Rinse mouth thoroughly. Do not induce vomiting. Provide fresh air, warmth and rest. Get medical

attention. Never give anything by mouth to an unconscious person.

Skin contact Remove victim immediately from source of exposure. Remove contaminated clothing, shoes

and jewelry and wash before reuse. Wash the skin immediately with water. Obtain medical

attention if irritation persists or if blistering occurs.

Eye contact Do not rub eye. If this product contacts the eyes, gently flush eyes with water for at least

fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if present and easy to do so. Avoid contaminating unaffected eye. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

Inhalation Inhalation of mist or vapor may cause respiratory tract irritation.

IngestionMay cause digestive tract irritation, pain or vomiting.Skin contactProlonged or repeated contact may be irritating to the skin.

Eye contact Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician Treat symptomatically.

Section 5: Fire-fighting measures

5.1 Extinguishing media

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

flammable.

Unsuitable extinguishing media High volume water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Unusual fire & explosion hazards

Specific hazards

During fire, toxic gases (CO, CO2) are formed. No unusual fire or explosion hazards noted.

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

5.3 Advice for firefighters

Special fire fighting procedures If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed

spaces before entering them. Containers close to fire should be removed immediately or

cooled with water if safe to do so.

Protective equipment for firefighters Fire-fighters should wear appropriate protective equipment and self-contained breathing

apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard

EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Wear protective clothing as described in Section 8 of this safety data sheet. Provide

adequate ventilation. Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. Do not touch or walk through spilled material. If necessary evacuate surrounding areas.

For emergency respondersFollow safe handling advice and personal protective equipment recommendations for normal

use of product.

6.2 Environmental precautions

Environmental precautions Do not discharge onto the ground or into water courses.

6.3 Methods and material for containment and cleaning up

Spill clean up methods Stop leak if possible without risk. DO NOT touch spilled material! When dealing with a

spillage, wear necessary protective equipment. Absorb spillage with non-combustible, inert absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash

thoroughly after dealing with a spillage.

6.4 Reference to other sections

Reference to other sections See section 1 for emergency contact. For personal protection, see section 8. For waste

disposal, see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handling Read and follow manufacturer's recommendations. Use proper personal protection when

handling (refer to Section 8). Do not handle broken packages without protective equipment. Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Do not

eat, drink or smoke when using the product. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Keep upright, locked up and out of reach of children. Keep the product in its original

container. Store in cool dry areas away from direct sunlight or sources of ignition.

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.Usage descriptionUse only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection

8.1 Control parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
diethyl phthalate	WEL		5 mg/m ³		10 mg/m ³	
citral	OEL	5(IFV) ppm				
Bornan-2-one	OEL	2 ppm	12 mg/m ³	3 ppm	18 mg/m ³	

Ingredient comments Ireland, Occupational Exposure Limits 2020.

 $WEL\ -\ Workplace\ Exposure\ Limits\ -\ EH40/2005\ Workplace\ exposure\ limits.$

8.2 Exposure Controls





Engineering measures Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment If ventilation is inadequate, suitable respiratory protection must be worn. EN

136/140/145/143/149. Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143 should be used, and suitable respirator cartridges as a backup to engineering controls. The specific respirator selected must be based on contamination levels found in the work place. Use respiratory protective components with combined A/B/E/KP filter(s) for organic/inorganic/acid/ammonia and particulates. Consult

manufacturer for specific advice.

Hand protection Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. (EU Directive 89/686/EEC). Gloves must be

inspected prior to use. Suggested material: Nitrile rubber. Consult manufacturer for advice. Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and

good laboratory practices.

Eye protection Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment

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for eye protection tested and approved under appropriate government standards such as $\ensuremath{\mathsf{EN}}$

166(EU).

Other protection Wear appropriate clothing to prevent skin contact. The selected clothing must satisfy the

European norm standard EN 943. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handing this product. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been

soiled must be washed.

Hygiene measuresObserve normal hygiene standards. Wash promptly if skin becomes contaminated. When

using do not eat, drink or smoke. Wash hands after use.

Process conditions Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Liquid.

ColourTurquoise. Clear.OdourCharacteristic.

Odour threshold - lower No information available as testing has not been completed.

Odour threshold - upperNo information available as testing has not been completed.

pH-Value, Conc. Solution 7.5 - 8.5

pH-Value, Diluted solution Not applicable as the product is a concentrated solution.

Melting point No information available as testing has not been completed.

Initial boiling point and boiling

range

No information available as testing has not been completed.

Flash point Non-Flammable

Evaporation rate No information available as testing has not been completed.

Flammability state This product is not flammable.

Flammability limit - lower(%) Not applicable as this product is not flammable.

Flammability limit - upper(%)Not applicable as this product is not flammable.

Vapour pressure No information available as testing has not been completed.

Vapour density (air=1) No information available as testing has not been completed.

Relative density 1.01 - 1.03 kg/l (at 20°C)

Bulk density Not applicable as the product is a liquid.

Soluble in water.

Decomposition temperature No information available as testing has not been completed.

Partition coefficient; n-

Octanol/Water

Does not apply, the product is a mixture.

Auto ignition temperature (°C) Not applicable as this product is not flammable.

Viscosity No information available as testing has not been completed.

Explosive properties Not classified as explosive.

Oxidising properties The product does not meet the criteria to be classified as oxidising.

9.2 Other information

Molecular weight Does not apply, the product is a mixture.

Volatile organic compound No information available as testing has not been completed.

Other information None noted.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity Keep away from incompatibles such as oxidizing agents, acids, and alkalis.

10.2 Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Hazardous reactions For information on hazardous reaction see section 10.1.

Hazardous polymerisationUnknownPolymerisation descriptionUnknown

10.4 Conditions to Avoid

Conditions to avoid Heat, sparks, open flames, temperature extremes and direct sunlight.

10.5 Incompatible materials

Materials to avoid Keep away from strong oxidizing agents, strong acids and strong caustics.

10.6 Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or

vapours.

Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information No toxicological information for the overall finished product.

Acute toxicity (Oral LD50)

Acute toxicity (Dermal LD50)

Acute toxicity (Inhalation LD50)

No information available as testing has not been completed.

No information available as testing has not been completed.

Serious eye damage/irritation Causes serious eye damage.

Skin corrosion/irritation The product is not classified as a skin corrosion/irritation hazard.

Respiratory sensitisationThe product is not classified as a respiratory hazard. **Skin sensitisation**The product is not classified as a skin sensitisation hazard.

Germ cell mutagenicity The product is not classified as a mutagen.

Carcinogenicity The product is not classified as a carcinogen hazard.

Specific target organ toxicity - Single exposure:

STOT - Single exposure The product is not classified as a single exposure specific target organ toxin.

 $Specific \ target \ organ \ toxicity \ \hbox{-} \ Repeated \ exposure:$

STOT - Repeated exposure The product is not classified as a repeat exposure specific target organ toxin.

Inhalation Inhalation of mist or vapor may cause respiratory tract irritation.

IngestionMay cause digestive tract irritation, pain or vomiting.Skin contactProlonged or repeated contact may be irritating to the skin.

Eye contact Causes serious eye damage.

Waste management When handling waste, consideration should be made to the safety precautions applying to

handling of the product.

Routes of entry Eyes, skin, ingestion or inhalation.

Target organs Eyes, skin, digestive system, respiratory system.

Aspiration hazards: The product is not classified as an aspiration hazard. Reproductive toxicity: The product is not classified as a reproductive hazard.

Name	LD50 oral	LLD50 dermal	LD50 inhalation
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts	2335.00mg/kg Rat	>2000.00mg/kg Rat	
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	>5000.00mg/kg Rat	>5000.00mg/kg Rat	
Alcohols, C12-13, branched and linear, ethoxylated	>300.00mg/kg Rat	>2000.00mg/kg Rabbit	
sodium xylenesulphonate	7000.00mg/kg Rat	2000.00mg/kg Rabbit	

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish No information available as testing has not been completed. Acute toxicity - Aquatic invertebrates No information available as testing has not been completed. **Acute toxicity - Aquatic plants** No information available as testing has not been completed. **Acute toxicity - Microorganisms** No information available as testing has not been completed. **Chronic toxicity - Fish** No information available as testing has not been completed. **Chronic toxicity - Aquatic** No information available as testing has not been completed.

invertebrates

Chronic toxicity - Aquatic plants No information available as testing has not been completed. **Chronic toxicity - Microorganisms** No information available as testing has not been completed.

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude

the possibility that large or frequent spills can have a harmful or damaging effect on the

environment.

Eco toxilogical information No ecological toxicity available on the overall finished product.

12.2 Persistence and degradability

Degradability The degradability of the product has not been stated. Biological oxygen demand No information available as testing has not been completed. Chemical oxygen demand No information available as testing has not been completed.

12.3 Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Bioaccumulation factor No information available as testing has not been completed.

Partition coefficient; n-Does not apply, the product is a mixture.

Octanol/Water

12.4 Mobility in soil

Mobility Soluble in water.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent,

bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels

of 0.1% or higher.

12.6 Other adverse effects

Other adverse effects None known.

Name	Acute foxicity (Fish)		Acute toxicity (Aquatic plants)
Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	LC50 >10.00mg/l Leuciscus idus (Golden Orfe)	IECSO > 10 00mg/i Dannnia magna	EC50 > 100.00mg/l Scenedesmus Subspicatus

Alcohols, C12-13, branched and linear,	EC50 48 Hours 1.00mg/l Daphnia	
ethoxylated	magna	

Section 13: Disposal considerations

Waste management When handling waste, consideration should be made to the safety precautions applying to

handling of the product.

13.1 Waste treatment methods

Disposal methods Dispose of waste and residues in accordance with local authority requirements.

Section 14: Transport information

14.1 UN number

UN no. (ADR)
UN no. (IMDG)
UN no. (IATA)
Not applicable.
Not applicable.

14.2 UN proper shipping name

ADR proper shipping name Not applicable.

IMDG proper shipping name Not applicable.

IATA proper shipping name Not applicable.

14.3 Transport hazard class(es)

ADR class Not applicable.

IMDG class Not applicable.

IATA class Not applicable.

Transport labels Not applicable

14.4 Packing group

ADR/RID/ADN packing group Not applicable.

IMDG packing group Not applicable.

IATA packing group Not applicable.

14.5 Environmental hazards

ADR No IMDG No IATA No

14.6 Special precautions for user

EMS Not applicable.
Emergency action code Not applicable.
Hazard no. (ADR) Not applicable.
Tunnel restriction code Not applicable.

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

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. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 830/2015 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals

(REACH).

Approved code of practice Workplace Exposure Limits Guidance Note EH40/2005.

> 2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens)

Regulations (2001-2019)

Chemical safety assessment No chemical safety assessment has been carried out.

Section 16: Other information

General information This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010. **Revision comments** This is a third issue. [1]Information updated. [2]Information updated. [3]Information

updated. [4]Information updated. [5]Information updated. [7]Information updated.

[8]Information updated. [9]Information updated. [10]Information updated. [11]Information

updated. [12]Information updated. [15]Information updated.

Revision date 22 January 2021 Supersedes date 04 December 2017

Revision 3

Safety data sheet status Approved.

Hazard statements in full

H315 Causes skin irritation. H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

H302 Harmful if swallowed. H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects. H410 Very toxic to aquatic life with long lasting effects. H361 Suspected of damaging fertility or the unborn child.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

H341 Suspected of causing genetic defects.

H351 Suspected of causing cancer.

H228 Flammable solid. H332 Harmful if inhaled.

H371 May cause damage to organs.

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.