

SAFETY DATA SHEET

PET-SAN

According to Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name PET-SAN

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

Identified uses Cleaner / sanitiser.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier Kitchenmaster NI Ltd
11 Comber Road
Belfast
BT8 8AN
Tel. 028 90814777
Fax. 028 90812881
email: sds@kitchenmaster-ni.com

1.4. 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 (1999/45/EEC) Xi;R38, R41.

Human health

Irritating to skin. Risk of serious damage to eyes.

Environment

The product contains a substance which is very toxic to aquatic organisms.

2.2. Label elements

Detergent Labelling:

5 - < 15% disinfectants
< 5% non-ionic surfactants

Labelling



Irritant

Risk Phrases

R38 Irritating to skin.
R41 Risk of serious damage to eyes.

Safety Phrases

S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 Wear suitable gloves and eye/face protection.
S60 This material and its container must be disposed of as hazardous waste.

2.3. Other hazards

PBT/vPvB assessment not undertaken.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

PET-SAN

2-BUTOXYETHANOL		< 1
CAS-No.: 111-76-2		EC No.: 203-905-0
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xn;R20/21/22 Xi;R36/38	
ALCOHOL ETHOXYLATE-7 MOLE		1-5%
CAS-No.: 68131-39-5		EC No.:
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. Xi;R41. N;R50.	
ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE		1-5%
CAS-No.: 85409-23-0		EC No.: 287-090-7
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R21/22. C;R34. N;R50.	
BENZALKONIUM CHLORIDE		1-5%
CAS-No.: 68391-01-5		EC No.:
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Corr. 1B - H314 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. C;R34. N;R50.	
POLYHEXAMETHYLENE BIGUANIDE		< 1
CAS-No.: 27083-27-8		EC No.:
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. Xi;R41. N;R50.	

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

Inhalation

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

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Ingestion

Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

Skin contact

Remove victim immediately from source of exposure. Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

Eye contact

Remove victim immediately from source of exposure. Immediately flush with plenty of water or eyewash solution for up to 10 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

Inhalation.

No specific symptoms noted.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact

Skin irritation.

Eye contact

Risk of serious damage to eyes.

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: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Not relevant

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

During fire, toxic gases (CO, CO₂) are formed.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

Fire or high temperatures create: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

The product is not expected to be hazardous to the environment.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards.

For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Wash hands after handling.

7.2. Conditions for safe storage, including any incompatibilities

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

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
2-BUTOXYETHANOL	WEL	25 ppm	123 mg/m ³	50 ppm	246 mg/m ³	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection

Wear protective gloves. 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 safety goggles.

Hygiene measures

Wash hands after contact. Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

Environmental Exposure Controls

Keep container tightly sealed when not in use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Dark. Blue. Purple.
Odour	Characteristic.
Solubility	Soluble in water.
Relative density	1.005
pH-Value, Conc. Solution	5.0

9.2. Other information

Not determined.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Not relevant

10.4. Conditions to avoid

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Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials To Avoid

No incompatible groups noted.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

May cause irritation to the respiratory system.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact

Irritating to skin.

Eye contact

Risk of serious damage to eyes.

Toxicological information on ingredients.

2-BUTOXYETHANOL (CAS: 111-76-2)

Acute toxicity:

Acute Toxicity (Oral LD50)

1746 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

0.63 mL/kg Rabbit

REACH dossier information

Acute Toxicity (Inhalation LC50)

450 ppm (vapours) Rat 4 hours

REACH dossier information

ALCOHOL ETHOXYLATE-7 MOLE (CAS: 68131-39-5)

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

REACH dossier information

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BENZALKONIUM CHLORIDE (CAS: 68391-01-5)

Acute toxicity:

Acute Toxicity (Oral LD50)

150 mg/kg Mouse

Miscellaneous information sources.

Acute Toxicity (Dermal LD50)

1420 mg/kg Rat

Miscellaneous information sources.

ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE (CAS: 85409-23-0)

Toxicological information

No information available.

POLYHEXAMETHYLENE BIGUANIDE (CAS: 27083-27-8)

Acute toxicity:

Acute Toxicity (Oral LD50)

~ 1000 mg/kg Rat

RTECS

Acute Toxicity (Dermal LD50)

> 1000 mg/kg Rabbit

RTECS

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product contains a substance which is very toxic to aquatic organisms.

12.1. Toxicity

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Ecological information on ingredients.

2-BUTOXYETHANOL (CAS: 111-76-2)

Acute Toxicity - Fish

LC50 96 hours 1474 mg/l Onchorhynchus mykiss (Rainbow trout)

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 1550 mg/l Daphnia magna

REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 72 hours 911 mg/l Pseudokirchnerella subcapitata

REACH dossier information

NOEC 72 hours 88 mg/l Pseudokirchnerella subcapitata

REACH dossier information

ALCOHOL ETHOXYLATE-7 MOLE (CAS: 68131-39-5)

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

BENZALKONIUM CHLORIDE (CAS: 68391-01-5)

Acute Toxicity - Fish

LC50 96 hours 0.31 mg/l Lepomis macrochirus (Bluegill)

Miscellaneous information sources.

ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE (CAS: 85409-23-0)

No information available.

POLYHEXAMETHYLENE BIGUANIDE (CAS: 27083-27-8)

Acute Toxicity - Fish

LC50 96 hours 8 mg/l Onchorhynchus mykiss (Rainbow trout)

Miscellaneous information sources.

LC50 96 hours 0.65 mg/l Lepomis macrochirus (Bluegill)

Miscellaneous information sources.

Acute Toxicity - Aquatic Invertebrates

LC50 48 hours 0.18 mg/l Daphnia magna

Miscellaneous information sources.

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

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13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

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.

SECTION 16: OTHER INFORMATION

Revision Comments

Formulation review.

Revision Date 10-2012

Revision 4

Supersedes date 08-2012

PET-SAN

Risk Phrases In Full

R34	Causes burns.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R22	Harmful if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
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.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H400	Very toxic to aquatic life.