

SAFETY DATA SHEET BLEACH

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 BLEACH
Product No. DIS3BLEACH

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

Identified uses Bleach.

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) Not classified.

Human health

Splashes in the eyes may cause redness and irritation. Prolonged skin contact may cause redness and irritation.

Environment

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

Physical and Chemical Hazards

Warning! Do not use together with other products. May release dangerous gases (chlorine).

2.2. Label elements

Detergent Labelling:

< 5% chlorine-based bleaching agents

Risk Phrases

NC Not classified.

Safety Phrases

P6 Warning! Do not use together with other products. May release dangerous gases (chlorine).

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE		1-5%
CAS-No.: 7681-52-9	EC No.: 231-668-3	
Classification (EC 1272/2008) EUH031 Skin Corr. 1B - H314 Aquatic Acute 1 - H400	Classification (67/548/EEC) C;R34 R31 N;R50	

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

BLEACH

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.

Ingestion

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

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

May irritate eyes. 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

Prolonged skin contact may cause redness and irritation.

Eye contact

May irritate 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 creates: Chlorine.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Keep up-wind to avoid fumes.

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

Avoid discharge to the aquatic 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.

BLEACH

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

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

Ingredient Comments

No exposure limits noted for ingredient(s).

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

For prolonged or repeated skin contact use suitable 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, tight fitting safety glasses where splashing is probable.

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Odour	Characteristic.

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

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

BLEACH

Materials To Avoid

Acids.

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

Prolonged and frequent contact may cause redness and irritation.

Eye contact

Splashes may irritate.

Toxicological information on ingredients.

SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE (CAS: 7681-52-9)

Acute toxicity:

Acute Toxicity (Oral LD50)

1100 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

> 20000 mg/kg Rabbit

REACH dossier information

Acute Toxicity (Inhalation LC50)

> 10.5 mg/l (vapours) Rat 1 hour

REACH dossier information

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

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

12.1. Toxicity

Ecological information on ingredients.

SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE (CAS: 7681-52-9)

Acute Toxicity - Fish

LC50 96 hours > .023 mg/l Pink salmon

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 35 µg/L Ceriodaphnia dubia

REACH dossier information

NOEC 48 hours 25 µg/L Ceriodaphnia dubia

REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 96 hours ~ 0.01 mg/l Myriophyllum spicatum

REACH dossier information

NOEC 96 hours 0.02 mg/l Myriophyllum spicatum

REACH dossier information

12.2. Persistence and degradability

BLEACH

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

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.

BLEACH

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

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

Revision Date 04-2012

Revision 2

Supersedes date 02-2008

Risk Phrases In Full

R34 Causes burns.
R31 Contact with acids liberates toxic gas.
NC Not classified.
R50 Very toxic to aquatic organisms.

Hazard Statements In Full

H314 Causes severe skin burns and eye damage.
EUH031 Contact with acids liberates toxic gas.
H400 Very toxic to aquatic life.