

SAFETY DATA SHEET

RELOAD No 11 - BACTI VIR CONCENTRATE

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 RELOAD No 11 - BACTI VIR CONCENTRATE
Product No. REAQUABACVIR

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

Identified uses Cleaning agent.

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) C;R34.

Human health

Corrosive to skin and eyes. Splashes may cause serious eye damage.

Environment

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

2.2. Label elements

Detergent Labelling:

5 - < 15%	EDTA and salts thereof
< 5%	non-ionic surfactants
Contains	METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6, BENZALKONIUM CHLORIDE, ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE

Labelling



Corrosive

Risk Phrases

R34 Causes burns.

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.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S60	This material and its container must be disposed of as hazardous waste.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

RELOAD No 11 - BACTI VIR CONCENTRATE

3.2. Mixtures

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.
DIPROPYLENE GLYCOL MONOMETHYL ETHER	10-30%
CAS-No.: 34590-94-8	EC No.: 252-104-2
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
DISODIUM METASILICATE	1-5%
CAS-No.: 6834-92-0	EC No.: 229-912-9
Classification (EC 1272/2008) Skin Corr. 1B - H314 STOT SE 3 - H335	Classification (67/548/EEC) C;R34 Xi;R37
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	5-10%
CAS-No.: 64-02-8	EC No.: 200-573-9
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22 Xi;R41

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

RELOAD No 11 - BACTI VIR CONCENTRATE

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. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

Skin contact

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

Eye contact

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

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

Inhalation

Spray mists may cause respiratory tract irritation.

Ingestion

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

Skin contact

Chemical burns. Blistering may occur.

Eye contact

May cause blurred vision and serious eye damage.

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

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

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

The product is non-combustible. If heated, corrosive and toxic vapours/gases may be formed.

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

Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

RELOAD No 11 - BACTI VIR CONCENTRATE

Stop leak if possible without risk. 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. 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

Follow instructions and ensure correct dilution of this product before use. 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.

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
DIPROPYLENE GLYCOL MONOMETHYL ETHER	WEL	50 ppm	308 mg/m ³			Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

8.2. Exposure controls

Protective equipment



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 tight-fitting goggles or face shield.

Other Protection

Provide eyewash station. Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash hands after handling. 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
Colour	Dark. Turquoise. Blue.
Odour	Slight odour.
Relative density	1.072 @ 20°C
pH-Value, Conc. Solution	14

9.2. Other information

Solids content 31%.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reaction with: Acids. May attack light-alloy metals and liberate hydrogen gas.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

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

Acids. May attack light-alloy metals and liberate hydrogen gas.

10.6. Hazardous decomposition products

When heated, toxic and corrosive vapours/gases may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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.

DISODIUM METASILICATE (CAS: 6834-92-0)

Acute toxicity:

Acute Toxicity (Oral LD50)

994 mg/kg Rat

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Acute Toxicity (Dermal LD50)

> 3000 mg/kg Rat

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Acute Toxicity (Inhalation LC50)

> 2.06 mg/l (vapours) Rat

REACH dossier information

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

Toxic Dose 1 - LD 50

1658 - 4500 mg/kg (oral rat)

Toxic Dose 2 - LD 50

20.5 - 30.0 mg/kg (oral-mouse)

RELOAD No 11 - BACTI VIR CONCENTRATE

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

Acute toxicity:

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

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Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rat

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Acute Toxicity (Inhalation LC50)

> 1.6 mg/l (dust/mist) Rat 4 hours

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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.

DIPROPYLENE GLYCOL MONOMETHYL ETHER (CAS: 34590-94-8)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

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Acute Toxicity (Dermal LD50)

> 20 mL/kg Rat

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Acute Toxicity (Inhalation LC50)

> 275 ppm (vapours) Rat 7 hours

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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

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

12.1. Toxicity

RELOAD No 11 - BACTI VIR CONCENTRATE

Ecological information on ingredients.

DISODIUM METASILICATE (CAS: 6834-92-0)

Acute Toxicity - Fish

LC50 96 hours 210 mg/l Brachydanio rerio (Zebra Fish)

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Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 7.8 pH Daphnia magna

REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 72 hours 207 mg/l Desmodosmus subspicatus

REACH dossier information

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

LC 50, 96 Hrs, Fish mg/l

41 - 2070

IC 50, 72 Hrs, Algae, mg/l

1.01 - 101

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.

DIPROPYLENE GLYCOL MONOMETHYL ETHER (CAS: 34590-94-8)

Acute Toxicity - Fish

LC50 96 hours > 1000 Poecilia reticulata

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

LC50 48 hours 1919 mg/l

REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 72 hours > 969 mg/l Selenastrum capricornutum

REACH dossier information

NOEC 72 hours 969 mg/l Selenastrum capricornutum

REACH dossier information

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.

Ecological information on ingredients.

DISODIUM METASILICATE (CAS: 6834-92-0)

Biodegradation

Scientifically unjustified.

REACH dossier information

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

RELOAD No 11 - BACTI VIR CONCENTRATE

12.4. Mobility in soil

Mobility:

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Not available.

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

14.1. UN number

Not applicable.

UN No. (ADR/RID/ADN)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760

14.2. UN proper shipping name

Not applicable.

Proper Shipping Name	CORROSIVE LIQUID, N.O.S. (DISODIUM METASILICATE, ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE)
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14.3. Transport hazard class(es)

Not applicable.

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

Not applicable.

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

RELOAD No 11 - BACTI VIR CONCENTRATE

14.6. Special precautions for user

Not applicable.

EMS	F-A, S-B
Emergency Action Code	2X
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

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

This is first issue.

Revision Date 04-2011

Risk Phrases In Full

R34	Causes burns.
R22	Harmful if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R37	Irritating to respiratory system.
NC	Not classified.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

Hazard Statements In Full

H318	Causes serious eye damage.
H314	Causes severe skin burns and eye damage.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.