SAFETY DATA SHEET
IMPACT EXTRA

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

1.1. Product identifier

Product name IMPACT EXTRA

Product number RAP005/03

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

NIELSEN CHEMICALS
RAWDON ROAD
MOIRA
SWADLINCOTE
DERBYSHIRE
DE12 6DA
info@nielsenchemicals.com
TEL: +44 (0) 1283 222277
FAX: +44 (0) 1283 550621

Manufacturer

1.4. Emergency telephone number

Emergency telephone +44 (0) 777 8505 330

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Met. Corr. 1 - H290

Health hazards Skin Corr. 1C - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) C;R34.

2.2. Label elements

Pictogram

Signal word Danger

Hazard statements H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

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Precautionary statements P234 Keep only in original container.
P260 Do not breathe vapour/spray.
P280 Wear protective gloves, eye and face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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/doctor.
P501 Dispose of contents/container in accordance with national regulations.

Contains SODIUM HYDROXIDE

Detergent labelling < 5% EDTA and salts thereof,< 5% non-ionic surfactants,< 5% cationic surfactants

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Tetrasodium ethylenediaminetetraacetate **1-5%**

CAS number: 64-02-8 EC number: 200-573-9 REACH registration number: 01-2119486762-27-xxxx

Classification
Acute Tox. 4 - H302
Acute Tox. 4 - H332
Eye Dam. 1 - H318

Classification (67/548/EEC or 1999/45/EC)
Xn;R20/22. Xi;R41.

SODIUM HYDROXIDE **1-5%**

CAS number: 1310-73-2 EC number: 215-185-5 REACH registration number: 01-2119457892-27

Classification
Met. Corr. 1 - H290
Skin Corr. 1A - H314
Eye Dam. 1 - H318

Classification (67/548/EEC or 1999/45/EC)
C;R35

(C9-11) ALKYL ALCOHOL ETHOXYLATE **1-5%**

CAS number: 68439-45-2

Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318

Classification (67/548/EEC or 1999/45/EC)
Xn;R22. Xi;R41.

IMPACT EXTRA

SODIUM SILICATE OBSOLETE		<1%
CAS number: 1344-09-8	EC number: 215-687-4	

Classification	Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335	Xi;R38,R41.

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 Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.

Ingestion Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention immediately.

Skin contact Rinse immediately with plenty of water. Get medical attention if irritation persists after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

General information Chemical burns must be treated by a physician.

Inhalation Upper respiratory irritation.

Ingestion May cause chemical burns in mouth and throat.

Skin contact Prolonged skin contact may cause redness and irritation.

Eye contact Severe irritation, burning and tearing.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable.

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. Oxides of carbon. Oxides of nitrogen.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

IMPACT EXTRA

6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in closed original container at temperatures between 5°C and 30°C.

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.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL
Short-term exposure limit (15-minute): WEL 2 mg/m³

SODIUM SILICATE OBSOLETE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

Tetrasodium ethylenediaminetetraacetate (CAS: 64-02-8)

DNEL
Industry - Inhalation; : 2.8 mg/m³
Consumer - Inhalation; : 1.7 mg/m³
Consumer - Oral; : 28.0 mg/kg/day

PNEC
- Fresh water; 2.8 mg/l
- Marine water; 0.28 mg/l
- Intermittent release; 1.6 mg/l
- STP; 57 mg/l
- Soil; 0.95 mg/l

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL Industry - Inhalation; Long term local effects: 1.0 mg/m³

tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate (CAS: 51981-21-6)

IMPACT EXTRA

DNEL

Workers - Inhalation; Long term systemic effects: 7.3 mg/m³
Workers - Dermal; Long term systemic effects: 15,000 mg/kg/day
General population - Inhalation; Long term systemic effects: 1.8 mg/m³
General population - Dermal; Long term systemic effects: 7,500 mg/kg/day
General population - Oral; Long term systemic effects: 1.5 mg/kg/day

TETRASODIUM 1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONATE (CAS: 3794-83-0)

DNEL

Workers - Inhalation; Long term systemic effects: 16.9 mg/m³
Workers - Inhalation; Long term local effects: 10 mg/m³
Workers - Inhalation; Short term systemic effects: 10 mg/m³
Workers - Dermal; Long term systemic effects: 48 mg/kg/day
General population - Inhalation; Long term systemic effects: 4.2 mg/m³
General population - Inhalation; Long term local effects: 10 mg/m³
General population - Inhalation; Short term local effects: 10 mg/m³
General population - Dermal; Long term systemic effects: 24 mg/kg/day
General population - Oral; Long term systemic effects: 2.1 mg/kg/day

PNEC

- Fresh water; 0.134 mg/l
- Marine water; 0.014 mg/l
- STP; 580 mg/l
- Sediment (Freshwater); 59 mg/kg
- Sediment (Marinewater); 5.9 mg/kg
- Soil; 41 mg/kg

DISODIUM METASILICATE (CAS: 6834-92-0)

DNEL

Industry - Dermal; Long term : 1.49 mg/kg/day
Industry - Inhalation; Long term : 6.22 mg/m³
Consumer - Dermal; Long term : 0.74 mg/kg/day
Consumer - Inhalation; Long term : 1.55 mg/m³
Consumer - Oral; Long term : 0.74

8.2. Exposure controls

Protective equipment

Eye/face protection Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection Wear protective gloves made of the following material: Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC).

Hygiene measures Wash hands after handling.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Green-yellow.

Odour Mild.

pH pH (concentrated solution): >11.5

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Relative density	1.068 @ @ 20°C
Solubility(ies)	Completely soluble in water.

9.2. Other information

Other information	No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.

10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	78,781.51260504

Skin corrosion/irritation

Extreme pH	= 11.5 Corrosive to skin.

Serious eye damage/irritation

Serious eye damage/irritation	Corrosive to skin. Corrosivity to eyes is assumed. No testing is needed.

Inhalation	Upper respiratory irritation.
Ingestion	May cause chemical burns in mouth and throat.
Skin contact	Causes burns.
Eye contact	Causes burns.

Toxicological information on ingredients.

Tetrasodium ethylenediaminetetraacetate

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,000.0

IMPACT EXTRA

Species	Rat
ATE oral (mg/kg)	2,000.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	5,000.0
Species	Rabbit
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} dust/mist mg/l)	1,000.0
Species	Rat
Notes (inhalation LC_{50})	
ATE inhalation (dusts/mists mg/l)	1.5

SODIUM HYDROXIDE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	2,000.0
Species	Rat
ATE oral (mg/kg)	

(C9-11) ALKYL ALCOHOL ETHOXYLATE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	1,200.0
Species	Rat
Notes (oral LD_{50})	
ATE oral (mg/kg)	1,200.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,000.1
Species	Rat
ATE dermal (mg/kg)	2,000.1

tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	2,001.0
Species	Rat

IMPACT EXTRA

ATE oral (mg/kg)	2,001.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,000.1
Species	Rat
ATE dermal (mg/kg)	2,000.1

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

Acute toxicity - fish Not determined.

Acute toxicity - aquatic invertebrates Not determined.

Acute toxicity - aquatic plants Not determined.

Acute toxicity - terrestrial Not determined.

Ecological information on ingredients.

Tetrasodium ethylenediaminetetraacetate

Acute toxicity - fish	LC50, 96 hours, 96 hours: > 500 mg/l, Leuciscus idus (Golden orfe) LC_{50}, 96 hours: >100 mg/l, Fish

SODIUM HYDROXIDE

Acute toxicity - fish	LC50, 48 hours, 48 hours: ~ 145 mg/l, Poecilia reticulata (Guppy) REACH dossier information.
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours, 48 hours: ~ 76 mg/l, Daphnia magna REACH dossier information.

tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

Acute toxicity - fish	LC50, 96 hours, 96 hours: > 100 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours, 48 hours: > 100 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

Tetrasodium ethylenediaminetetraacetate

Bioaccumulative potential The product is not bioaccumulating.

12.4. Mobility in soil

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Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1760

UN No. (IMDG) 1760

UN No. (ICAO) 1760

UN No. (ADN) 1760

14.2. UN proper shipping name

Proper shipping name (ADR/RID) CORROSIVE LIQUID, N.O.S. (sodium hydroxide)

Proper shipping name (IMDG) CORROSIVE LIQUID, N.O.S. (sodium hydroxide)

Proper shipping name (ICAO) CORROSIVE LIQUID, N.O.S. (sodium hydroxide)

Proper shipping name (ADN) CORROSIVE LIQUID, N.O.S. (sodium hydroxide)

14.3. Transport hazard class(es)

ADR/RID class 8

ADR/RID label 8

IMDG class 8

ICAO class/division 8

ADN class 8

Transport labels

14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ADN packing group III

ICAO packing group III

14.5. Environmental hazards

IMPACT EXTRA

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

Tunnel restriction code (E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information required.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Commission Regulation (EU) No 453/2010 of 20 May 2010.
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 (as amended).

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 02/07/2015

Revision 3.1

Supersedes date 21/11/2011

Risk phrases in full
Not classified.
R20/22 Harmful by inhalation and if swallowed.
R22 Harmful if swallowed.
R34 Causes burns.
R35 Causes severe burns.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.

Hazard statements in full
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

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.