



SAFETY DATA SHEET
LC 4206

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

1.1. Product identifier

Product name LC 4206
Product No. 42060

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

Identified uses Low ammonia Natural latex
Uses advised against No other uses other than the intended use

1.3. Details of the supplier of the safety data sheet

Supplier Vita Liquid Polymers,
Harling Road, Sharston Industrial Estate
Wythenshawe,
Manchester M22 4SZ
Tele 00441619983226
Fax 00441619460118
Mob 07767625477
sds@vita-liquid.com

1.4. Emergency telephone number

00441613742242 (24hr)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Not classified.

Human health

See section 11 for additional information on health hazards. Splashes in the eyes may cause redness and irritation. Prolonged skin contact may cause redness, irritation and dry skin.

Environment

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

2.2. Label elements

Risk Phrases	NC	Not classified.
Safety Phrases	NC	Not classified.
	S3/9	Keep in a cool, well ventilated place.
	S13	Keep away from food, drink and animal feeding stuffs.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

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AMMONIA		0.1-1%
CAS-No.: 1336-21-6	EC No.: 215-647-6	Registration Number: 01-2119488876-14-XXXX
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Skin Corr. 1B - H314	C;R34	
STOT SE 3 - H335	N;R50	
Aquatic Acute 1 - H400		

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

Ingredient notes

This product smells strongly of ammonia, and should be handled in a well ventilated area. See section 8 for recommendations on use

Composition Comments

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Consult a physician for specific advice.

Inhalation

Move the exposed person to fresh air at once.

Ingestion

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water.

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. Get medical attention if any discomfort continues.

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

General information

If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

Inhalation

No specific symptoms noted.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

Prolonged contact may cause redness and/or tearing.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

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

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

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.

LC 4206**Unusual Fire & Explosion Hazards**

No unusual fire or explosion hazards noted.

Specific hazards

None under normal conditions.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Move container from fire area if it can be done without risk. Containers close to fire should be removed immediately or cooled with water.

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**

Follow precautions for safe handling described in this safety data sheet. For personal protection, see section 8.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.

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. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13. Collect and dispose of spillage as indicated in section 13.

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact. Eye wash facilities and emergency shower must be available when handling this product.

7.2. Conditions for safe storage, including any incompatibilities

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

Storage Class

Recommended storage temperature 5-30 Celsius

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

Spilled substance increases risk of slipping.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
AMMONIA	WEL	25 ppm	18 mg/m3	35 ppm	25 mg/m3	

Ingredient Comments

WEL = Workplace Exposure Limits

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AMMONIA (CAS: 1336-21-6)

DNEL				
Industry	Inhalation.	Long Term	Local Effects	14 mg/m3
Industry	Inhalation.	Long Term	Systemic Effects	47.6 mg/m3
Industry	Dermal	Long Term	Systemic Effects	6.8 mg/kg/day
Industry	Dermal	Short Term	Systemic Effects	6.8 mg/kg/day
Consumer	Oral	Long Term	Systemic Effects	6.8 mg/m3
Consumer	Inhalation.	Long Term	Systemic Effects	23.8 mg/m3
Consumer	Dermal	Long Term	Systemic Effects	6.8 mg/kg/day
Consumer	Inhalation.	Short Term	Local Effects	7.2 mg/m3
Industry	Inhalation.	Short Term	Local Effects	36 mg/m3
PNEC				
Freshwater	0.001	mg/l		
Marinewater	0.0011	mg/l		

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide adequate general and local exhaust ventilation. Must not be handled in confined space without sufficient ventilation.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Use suitable protective gloves if risk of skin contact.

Eye protection

If risk of splashing, wear safety goggles or face shield.

Other Protection

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

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Skin protection

Wear apron or protective clothing in case of splashes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Cream.
Odour	Ammonia.
Solubility	Miscible with water
Melting point (°C)	
Not determined.	
Relative density	
Not relevant	
Bulk Density	
Not determined.	
Vapour density (air=1)	
Not determined.	
Vapour pressure	
Not determined.	

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Evaporation Factor

Not determined.

pH-Value, Diluted Solution

Not relevant

Viscosity

Not relevant

Solubility Value (G/100G H₂O@20°C)

Not determined.

Decomposition temperature (°C)

Not determined.

Odour Threshold, Lower

Not relevant

Odour Threshold, Upper

Not relevant

Flash point (°C)

Not relevant

Auto Ignition Temperature (°C)

Not relevant

Flammability Limit - Lower(%)

Not relevant

Flammability Limit - Upper(%)

Not relevant

Partition Coefficient

(N-Octanol/Water)

Not relevant

9.2. Other information

Not relevant

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Avoid releasing to the environment. Avoid contact with acids.

Hazardous Polymerisation

Unknown.

Polymerisation Description

Avoid heat.

10.4. Conditions to avoid

Avoid frost. Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Avoid contact with metals such as copper, manganese, zinc, brass.

10.6. Hazardous decomposition products

None under normal conditions. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

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Toxicological information

Information given below for the mixture is based upon the results of the calculation method. Some of the information given is also taken from data given for the individual ingredients of the mixture.

Other Health Effects

None known

Acute toxicity:

Acute Toxicity (Oral LD50)

Not determined.

Data lacking.

Acute Toxicity (Dermal LD50)

Not determined.

Data lacking.

Acute Toxicity (Inhalation LC50)

Not determined.

Data lacking.

Skin Corrosion/Irritation:

Based on available data the classification criteria are not met.

Extreme pH.

Not determined.

Serious eye damage/irritation:

Not determined. Based on available data the classification criteria are not met.

Respiratory or skin sensitisation:

Respiratory sensitisation

Not determined.

Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Not determined.

Based on available data the classification criteria are not met.

Carcinogenicity:

Carcinogenicity

Not determined.

Does not contain any substances known to be carcinogenic.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Not determined.

Based on available data the classification criteria are not met.

Aspiration hazard:

Based on available data the classification criteria are not met.

General information

No specific health warnings noted.

Inhalation

Unlikely to be hazardous by inhalation because of the low vapour pressure of the substance at ambient temperature. Not relevant at normal room temperatures. When heated, toxic vapours may be formed.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged and frequent contact may cause redness and irritation.

LC 4206**Eye contact**

May cause temporary eye irritation. Prolonged contact may cause redness and/or tearing.

Health Warnings

Prolonged contact may cause redness, irritation and dry skin.

Route of entry

Skin and/or eye contact. Ingestion.

Target Organs

Eyes Skin

Medical Symptoms

Irritation of eyes and mucous membranes. Skin irritation. Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

Toxicological information on ingredients.**AMMONIA (CAS: 1336-21-6)**Acute toxicity:

Acute Toxicity (Oral LD50)

350 mg/kg Rat

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Not regarded as dangerous for the environment.

12.1. Toxicity

Information given below for the mixture is based upon the results of the calculation method. Some of the information given is also taken from data given for the individual ingredients of the mixture.

Acute Fish Toxicity

Not considered toxic to fish.

Acute Toxicity - Fish

Not determined.

Acute Toxicity - Aquatic Invertebrates

Not determined.

Acute Toxicity - Aquatic Plants

Not determined.

Acute Toxicity - Microorganisms

Not determined.

Chronic Toxicity - Fish Early life Stage

Not determined.

Short Term Toxicity - Embryo and Sac Fry Stages

Not determined.

Chronic Toxicity - Aquatic Invertebrates

Not determined.

Ecological information on ingredients.**AMMONIA (CAS: 1336-21-6)**

LC 50, 96 Hrs, Fish mg/l

0.80

Acute Toxicity - Fish

NOEC 1.2 mg/l Freshwater fish

EC 50, 48 Hrs, Daphnia, mg/l

101

Acute Toxicity - Aquatic Invertebrates

NOEC 0.79 Daphnia magna

Acute Toxicity - Aquatic Plants

2700 mg/l Freshwater plants

12.2. Persistence and degradability

LC 4206**Degradability**

There are no data on the degradability of this product.

12.3. Bioaccumulative potential**Bioaccumulative potential**

No data available on bioaccumulation.

Partition coefficient

Not relevant

12.4. Mobility in soil**Mobility:**

The product contains substances, which are water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste, residue, empty containers, discarded work clothes and used disposable towels must be collected in designated receptacles, labelled with content. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods

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

SECTION 14: TRANSPORT INFORMATION

General	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
Road Transport Notes	Avoid releasing to the environment.
Rail Transport Notes	Avoid releasing to the environment.
Sea Transport Notes	Do not release into the environment.

14.1. UN number

No information required.

14.2. UN proper shipping name

No information required.

14.3. Transport hazard class(es)

No information required.

ADR/RID/ADN Class Not classified for transportation.

14.4. Packing group

No information required.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

No information required.

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14.7. Transport in bulk according to Annex II of MARPOL73/78 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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Health and Safety at Work Act 1974.

Statutory Instruments

Chemical (Hazards Information and Packaging For Supply) Regulations 2009 (Chip 4) The Carriage of Dangerous Goods and use of Transportable Pressure Equipment Regulations 2009 (SI 2009/1348)

Approved Code Of Practice

L131 Approved Classification and Labelling Guide (Sixth Edition)

Guidance Notes

Workplace Exposure Limits 2005 (EH40) IND(G) 350 An introduction to CHIP4

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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.

National Regulations

Health and Safety at Work Act (As Amended) 1974 Control of Substances Hazardous to Health Regulations 2002 (as amended) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 ("CDG 2009"), SI 2009 No 1348 The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General information

Only trained personnel should use this material.

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision	0
Safety Data Sheet Status	Approved.
Date	12/8/2011

Risk Phrases In Full

R34	Causes burns.
R37	Irritating to respiratory system.
NC	Not classified.
R50	Very toxic to aquatic organisms.

Hazard Statements In Full

H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

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.