



Safety Data Sheet
according to 1907/2006/EC, Article 31

Date of Issue 3.3.2017

Trade name: **10T0100 Lime-X**

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

1.1 Product identifier 10T0100 Lime-X

Trade name: **10T0100 Lime-X**

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

No further relevant information available.

Application of the substance / the mixture Printing inks

1.3 Details of the supplier of the safety data sheet

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

hubergroup Australia Pty. Ltd.
Unit 8, 450 Princes Highway
Noble Park
VIC 3174

Contact Point:

Company Contact – Product Technical Manager
Business Hours - +61 (03) 9549 9300
After Hours – 0488 020 164

Telephone: +61 (03) 9549 9300

Facsimile: +61 (03) 9701 0066

SECTION 2: Hazards identification

Hazardous according to criteria of Australian Safety and Compensation Council

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



Skin Irrit. 2 H315 Causes skin irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labelling:

Hydroxyethylidene-1,1-diphosphonic acid

Alcohols, C12-14, ethoxylated

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Hazard statements

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash thoroughly after handling.
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.
P321 Specific treatment (see on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.

2.3 Other hazards This information is provided by the present Material Safety Data Sheet.

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Dangerous components:

Substances presenting a health or environmental hazard within the meaning of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List

EC number: 920-360-0	Hydrocarbons, C14-18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)	30 - 50%
Reg.nr.: 01-2119448343-41-xxxx	Asp. Tox. 1, H304	
CAS: 68920-66-1	Alcohols(C16-18 and C18-unsaturated)ethoxylates	10 - 15%
NLP: 500-236-9	Skin Irrit. 2, H315	
Reg.nr.: 01-2119489407-26-xxxx		
CAS: 2809-21-4	Hydroxyethylidene-1,1-diphosphonic acid	10 - 15%
EINECS: 220-552-8	Met. Corr.1, H290; Eye Dam. 1, H318; Acute Tox. 4, H302	
Reg.nr.: 01-2119510391-53-xxxx		
CAS: 68439-50-9	Alcohols, C12-14, ethoxylated	10 - 15%
NLP: 500-213-3	Eye Dam. 1, H318; Acute Tox. 4, H302	
Reg.nr.: 01-2119487984-16-0000-xxxx		

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice.
In case of unconsciousness place person in the recovery position. Never give anything by mouth.

After inhalation

Remove to fresh air.
Keep patient warm and at rest.

After skin contact

Remove contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognised

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skin cleanser. Do NOT use solvents or thinners.

After eye contact

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses. Obtain medical attention.

After swallowing Do NOT induce vomiting. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents Alcohol resistant foam, CO₂, powders, water spray.

For safety reasons unsuitable extinguishing agents Water jet.

5.2 Special hazards arising from the substance or mixture

Appropriate breathing apparatus may be required.

Cool closed containers exposed to fire with water.

5.3 Advice for firefighters

Protective equipment: No special measures required.

Additional information Collect run-off from fire fighting.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures Ventilate the area.

6.2 Environmental precautions:

Do not allow to enter drains. If the product contaminates rivers and lakes or sewers inform respective authorities.

6.3 Methods and material for containment and cleaning up:

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations. Clean preferably with a detergent. Avoid use of solvents.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid inhalation of vapour. Smoking, eating and drinking should be prohibited in application area. For personal protection see Section 8. Comply with health and safety at work laws. Avoid concentrations higher than the occupational exposure limits (see Section 8), if applicable.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Keep container tightly closed.No smoking.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information about storage conditions:

Always keep in containers of the same material as the original one. Store in a dry, well ventilated place. Keep away from heat and direct sunlight. Store in accordance with the particular national regulations concerning water pollution.

Note Instructions on the label.

Protect from frost.

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7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems:

If relevant apply technical measures to comply with the occupational exposure limits. This can be by a good general extraction and-if practically feasible, be achieved by local exhaust ventilation.

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

Numerical data - if specified - are taken from the valid national lists.

PNECs

2809-21-4 Hydroxyethylidene-1,1-diphosphonic acid

PNEC 96 mg/kg (soil)

PNEC STP 20 mg/l (STP)

8.2 Exposure controls

Personal protective equipment

Breathing equipment:

The use of respiratory protective measures, such as masks with filters for organic Vapours and dusts / mists are, in the absence of appropriate technical equipment, necessary for the protection of the employee. If exposure is above the exposure limit, then an appropriate, approved respirator must be worn. Please refer to the appropriate EU standard 14387.

Protection of hands:

For prolonged or repeated contact use gloves.

Barrier creams may help to protect exposed skin, they should however not be applied once have come into contact with the product.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Applicable for example are gloves of KCL GmbH, D 36124 Eichenzell, with following specification (Laboratory test according EN 374)

Recommend protective glove:

Article / Name /Material / Thickness Material / Breakthrough Time Remarks

Nr. 730/ Camatril Velours / Nitril / 0,4 mm Level 6 > 480 min. by full contact

Nr. 743/ Dermatril / Nitril / 0,2 mm Level 2 > 30 min. by splash contact

This recommendation is only for the product delivered by us and its intended purpose.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Use safety eyewear designed to protect against splash of liquids.

Body protection:

Working clothes must not consist of textiles which show a dangerous melting behaviour in case of fire.

All parts of the skin should be washed after contact.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: liquid

Colour: according to the tradename of the product

Smell: characteristic

Odour threshold: Not determined.

pH-value: Not determined.

Change in condition

Melting point/Melting range: not determined

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Flash point:	121 °C
Inflammability (solid, gaseous)	Not applicable.
Ignition temperature (Main Solvent):	
Decomposition temperature:	Not determined.
Self-inflammability:	Not determined.
Danger of explosion:	Not determined.
Critical values for explosion:	
Lower: approx.	0.6 Vol %
Upper: approx.	7.0 Vol %
Vapour pressure:	Not determined.
Density at 20 °C	0.91 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	partly or not miscible
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
Organic solvents:	< 0.06 %
Water:	10 - 15 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability No further relevant information available.

10.3 Thermal decomposition / conditions to be avoided:

Stable under recommended storage and handling conditions (see section 7).

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials:

Keep well away from oxidising agents and strongly alkaline or strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products:

Exposition to high temperatures may produce hazardous decomposition products such as: carbon dioxide, carbon monoxide and smoke.

SECTION 11: Toxicological information

The Preparation is classified according to the conventional method (calculation method of the EC-directive 1999/45/EEC). Liquid splashes, get the eye can cause permanent damage. The eye must be flushed out immediately. Medical attention.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis.

The liquid splashed in the eyes may cause strong irritation and reversible damage.

11.1 Information on toxicological effects

Acute toxicity No data available

LD/LC50 values that are relevant for classification:

Hydrocarbons, C14-18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)

Oral LD50 > 4150 mg/kg (rat)

Dermal LD50 > 5000 mg/kg (rat)

Inhalative LC50 > 5280 mg/m³ (rat)

2809-21-4 Hydroxyethylidene-1,1-diphosphonic acid

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Oral LD50 1878 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

68439-50-9 Alcohols, C12-14, ethoxylated

Oral LD50 > 2000 mg/kg (rat)

Dermal LD50 > 2000 mg/kg (rat)

Inhalative LC50 1600 mg/m³ (rat)

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

The Product should not be allowed to enter drains of water courses or soil.

12.1 Toxicity

Aquatic toxicity:

Hydrocarbons, C14-18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)

Fish toxicity > 1000 mg/l (fish) (LL0 96h)

Daphnia toxicity > 1000 mg/l (daphnia) (ELO 48h)

Algae toxicity 1000 mg/l (algae) (EC50 72h)

2809-21-4 Hydroxyethylidene-1,1-diphosphonic acid

Fish toxicity 180 mg/l (fish) (NOEC; 96 h)

Daphnia toxicity 527 mg/l (daphnia) (EC50; 48 h)

Algae toxicity 7.23 mg/l (algae) (EC50; 96 h)

68439-50-9 Alcohols, C12-14, ethoxylated

Fish toxicity 1.2 mg/l (fish) (LC 50 96h)

Algae toxicity 0.41 mg/l (algae) (EC50 72h)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Harmful to fish

Additional ecological information:

General notes: Harmful to aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Do not allow to enter drains.

Uncleaned packagings: Waste

Recommendation:

Emptied containers should be disposed off into scrap recycling or reconditioning respectively.

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Not orderly emptied cans and ink remnants are special waste.

SECTION 14: Transport information

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

14.1 UN-Number

ADG, ADN, IMDG, IATA -

14.2 UN proper shipping name

ADG, ADN, IMDG, IATA -

14.3 Transport hazard class(es) ADG, ADN, IMDG, IATA Class -

14.4 Packing group

ADG, IMDG, IATA -

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II of

Marpol and the IBC Code Not applicable.

UN "Model Regulation": -

SECTION 15: Regulatory information

SECTION 15: Regulatory information

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

Australian Inventory of Chemical Substances (Substances not listed)

Hydrocarbons, C14-18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)

Standard for the Uniform Scheduling of Medicines and Poisons

None of the ingredients is listed.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations

The product is subject to classification in accordance with the prevailing version of the regulations on hazardous materials.

VOC-Content (EU): not specified

Swiss VOC-Regulation 0.00 %

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Contact Point:

Company Contact – Product Technical Manager

Business Hours - +61 (03) 9549 9300

After Hours – 0488 020 164

Australian Poisons Information Centre 24 hour service 13 11 26

POLICE, FIRE BRIGADE, AMBULANCE 000

The information on this Safety Data Sheet is based on the present state of our knowledge and on current national laws. The user's working conditions are beyond our knowledge and control. It is always the responsibility of the user to take all necessary steps in order to fulfil the demands laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the product's properties.

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· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

· * Data compared to the previous version altered.