



# SAFETY DATA SHEET

# LIQUID RELEASE AGENT

Issued: JAN 2025

## LIQUID RA

Hazardous according to criteria of Safe Work Australia

### 1 PRODUCT & COMPANY UNDERTAKING IDENTIFICATION

Product Name: **LIQUID RELEASE AGENT, LIQUID RA**  
Major Recommended Use: Release agent for impression moulds on concrete  
Company: Australian Slate Crete Supplies PTY LTD  
ABN: 35 051 984 993  
Address: 12 Yale Drive, Epping, Victoria, 3076  
Telephone Number: 61 (03) 9408 7722  
Email: [sales@australianslatecrete.com.au](mailto:sales@australianslatecrete.com.au)  
Web site: [www.australianslatecrete.com.au](http://www.australianslatecrete.com.au)



### 2 HAZARDS IDENTIFICATION

**GHS Classification:** GHS07 Specific target organ toxicity – single exposure – respiratory irritant (Category 3)  
Specific target organ toxicity – single exposure – narcotic effects (Category 3)  
Skin corrosion/irritation (Category 2)  
GHS08 Aspiration hazard (Category 1)  
GHS09 Chronic Hazard to the Aquatic Environment (Category 2)



GHS07



GHS08



GHS09

**Signal word:** DANGER

**Hazard statements:** H227 Combustible liquid  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation  
H336 May cause drowsiness or dizziness  
H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

Prevention P210 Keep away from flames and hot surfaces - No smoking  
P261 Avoid breathing fumes/gas/mist/vapours/spray  
P264 Wash hands, face and all exposed skin thoroughly after handling.  
P271 Use only outdoors or in a well ventilated area  
P280 Wear protective gloves and eye/face protection

Response P301+310 IF SWALLOWED: Immediately call a POISON CENTRE on 13 11 26 or doctor  
P302+352 IF ON SKIN: Wash with plenty of soapy water  
P304+340+312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE on 13 11 26 or doctor if you feel unwell.  
P331 Do NOT induce vomiting.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage P403+235 Store in a well-ventilated place. Keep cool.

Disposal P501 Dispose of contents/ container to an approved waste disposal plant.

**Risk Statements:** R20/22 Harmful by inhalation and if swallowed.  
R38 Irritating to skin  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness and cracking.

**Safety Statements:** S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this SDS, container or label.

**Hazard Codes (EEC):** Xn (harmful), Xi (irritant)

**Poisons Schedule:** S5 CAUTION

**ADG CLASS:** Not classified as dangerous according to the Australian Dangerous Goods Code  
Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

**Signs and Symptoms of Exposure (Acute effects):**

**Swallowed:** Moderately toxic. Harmful: Will cause nausea, vomiting and stomach pain. Tends to break into a foam if the patient vomits. Aspiration into lungs may lead to chemical pneumonitis.

**Eye:** Contact with eyes can cause mild irritation and discomfort, and may cause conjunctivitis and corneal oedema when absorbed into the tissue of the eye from the atmosphere. Corneal oedema may give rise to a perception of blue haze or fog around lights. This effect is transient and has no known residual effect.

**Skin:** Irritating to skin. Absorption through skin may occur resulting in harmful effects or illness. Prolonged and repeated contact may result in skin sensitisation and dermatitis due to de-fatting.

**Inhaled:** Prolonged inhalation may result in respiratory irritation, dizziness, nausea, and loss of consciousness. Aspiration into the lungs may cause chemical pneumonitis which can be fatal.

**Chronic:** Repeated and/or prolonged exposures may result in: adverse skin effects (de-fatting, rash or allergic reaction/sensitization), adverse eye effects (conjunctivitis) and temporary liver or kidney damage.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion	Classification
Naphtha (petroleum), hydrotreated heavy	64742-48-9	> 90%	Xn, R43-R65-R66
Non-hazardous ingredients		1 – 10%	non-hazardous

Description Combustible Liquid

### 4 FIRST AID MEASURES

**Swallowed:** If swallowed, do NOT induce vomiting, Give a glass of water and contact a doctor or Poisons Information Centre. Telephone **13 11 26**.

**Eye:** Immediately hold eye open and irrigate with water for 15 minutes. If persistent irritation occurs, obtain medical attention and see a Doctor.

**Skin:** Remove any contaminated clothing and product. Wash skin thoroughly with mild soap/water. Seek medical advice if ill effect or irritation develops.

**Inhaled:** Using proper respiratory protection, immediately remove the affected victim from exposure to fresh air. If breathing is laboured and patient is cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

**First Aid Facilities:** Eyewash fountains and safety showers should be available for emergency use.

**Advice to Doctor:** Dermatitis may result from prolonged or repeated exposure.  
Aspiration into the lungs may cause chemical pneumonitis. Causes central nervous system depression. Severe exposure may cause blurred vision, tremors, shallow and rapid breathing, delirium and unconsciousness.

### 5 FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Ignition will give rise to a Class B fire. In case of large fire use: water spray, alcohol foam. In case of small fire use: Foam. Dry chemical powder, carbon dioxide, sand or earth.

**Special Exposure Hazards (fire fighting):** Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

**Special Fire Fighting Procedures:** Fire fighters should wear full protective clothing and self-contained breathing apparatus. Water spray should be used to cool intact drums. Prevent runoff from fire control entering waterways.

**HAZCHEM code:** ●3Z

## 6 ACCIDENTAL RELEASE MEASURES

**Precautions:** Eliminate all sources of ignition. Wear protective clothing, boots, gloves, and eye protection.

**Methods for Cleaning Up:** If recovery is not feasible, admix with dry soil, sand or non-reactive absorbent and place in an appropriate chemical waste container. Transfer to containers by suction, preparatory for later disposal. Flush area with water spray. Clean up personnel must be equipped with self-contained breathing apparatus and butyl rubber protective clothing. For large spills, recover spilled material with vacuum truck.

**Dangerous Goods –** Initial Emergency Response Guide No: 47

## 7 HANDLING & STORAGE

**Handling:** Avoid eye contact and repeated or prolonged skin contact.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from sources of heat or ignition. Keep containers closed when not in use – check regularly for leaks.

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

This material is classified as a Class 9 Miscellaneous Dangerous Good as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Standards:** No value assigned for this specific material by Safe Work Australia or Department of Labour New Zealand.

**Engineering Controls:** Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

**Hand Protection:** Wear impervious gloves if contact with liquid is possible. Viton offers good resistance; other materials may be less suitable. Check with equipment supplier to determine if level of protection is adequate.

**Eye Protection:** Splash proof eye goggles.

**Body Protection:** Standard issue work clothes safety shoes or boots - chemical resistant. If splashes are likely to occur, wear: long sleeve overalls. Check with equipment supplier to determine if level of protection is adequate.

**Flammability:** Combustible liquid C1

## 9 PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Clear, oily, light orange liquid
Smell:	Sweet odour
Boiling Point (at 760 mmHg):	187 – 214°C (ASTM D-1078)
Melting Point:	< -25°C
Flashpoint:	61 – 66°C (ASTM D-56)
Flammability:	Combustible C1
Explosive Limits:	LEL: 0.7% v/v UEL: 5.3% v/v
Auto-ignition Temperature:	235 – 315°C (ASTM E-659)
Oxidizing Properties:	No data
Vapour Pressure (20°C):	0.04 – 0.09 kPa
Vapour Density (Air =1):	5
Evaporation Rate (relative to nBA = 1.0)	0.04
Solubility in Water:	Insoluble
Specific Gravity:	0.78 – 0.81

VOC content:

<800 g/L (EC/1999/13)

**10 STABILITY & REACTIVITY**

- Stability:** Stable under normal use conditions. Reacts with strong oxidizing agents. Reacts with strong acids.
- Conditions to Avoid:** Heat, sparks, flames.
- Incompatibility (materials to avoid):** Strong acids. Strong oxidizing agents
- Hazardous Decomposition Products:** Carbon Monoxide, Carbon Dioxide in a fire. Irritating and toxic fumes at elevated temperatures.
- Hazardous Transformation Products:** Will not occur.

**11 TOXICOLOGICAL INFORMATION**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Acute Effects**

- Inhalation:** **Acute Inhalation Toxicity (LC<sub>50</sub>):** no data  
Material may be an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.
- Skin contact:** **Acute Dermal Toxicity (LD<sub>50</sub>):** no data  
Contact with skin will result in irritation.
- Ingestion:** **Acute Oral Toxicity (LD<sub>50</sub>):** no data  
Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. May cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema.
- Eye contact:** May be an eye irritant.

**Acute toxicity**

- Inhalation:** This material has been classified as non-hazardous.  
Acute toxicity estimate (based on ingredients): >20 mg/L
- Skin contact:** This material has been classified as non-hazardous.  
Acute toxicity estimate (based on ingredients): >2,000 mg/kg
- Ingestion:** This material has been classified as non-hazardous.  
Acute toxicity estimate (based on ingredients): >2,000 mg/kg
- Corrosion/Irritancy:** **Eye:** this material has been classified as not corrosive or irritating to eyes.  
**Skin:** this material has been classified as a Category 2 Hazard (reversible effects to skin).
- Sensitization:** **Inhalation:** this material has been classified as not a respiratory sensitizer.  
**Skin:** this material has been classified as not a skin sensitizer.
- Aspiration hazard:** This material has been classified as Aspiration Hazard – Category 1
- Specific target organ toxicity (single exposure):**  
This material has been classified as a Category 3 Hazard.  
Exposure via inhalation may result in depression of the central nervous system.

**Chronic Toxicity**

- Mutagenicity:** This material has been classified as non-hazardous.
- Carcinogenicity:** This material has been classified as non-hazardous.
- Reproductive toxicity (including via lactation):**  
This material has been classified as non-hazardous.
- Specific target organ toxicity (repeat exposure):**  
This material has been classified as non-hazardous.

## 12 ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as non-hazardous.  
Acute toxicity estimate (based on ingredients): >100 mg/L

**Long-term aquatic hazard:** This material has been classified as a Category 2 Chronic Hazard.  
Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, acute toxicity estimate (based on ingredients): 1 - 10 mg/L, where the substance is not rapidly degradable and/or BCF ≥ 500 and/or log Kow ≥ 4.

**Mobility:** Floats on water.  
If product enters soil, it will be mobile and may contaminate groundwater

**Persistence/degradability:** No data available  
Expected to pose a significant risk of oxygen depletion in aquatic systems.

**Bioaccumulation:** No data available

**Other adverse effects:** Product can be considered an environmental hazard through improper handling and improper disposal. Product is considered toxic to aquatic life with long lasting effects.

## 13 DISPOSAL CONSIDERATIONS

**Precautions:** Refer to Section 7 before handling the product or containers.

**Waste disposal:** Recover or recycle if possible. Otherwise: Incineration.

**Product disposal:** Recover or recycle if possible. Otherwise: Incineration.

**Container disposal:** Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimers.

**Local legislation:** The recommendations given are considered appropriate for safe disposal. However, local regulations may be more stringent and these must be complied with.

## 14 TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the IMDG Code.

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Mode	Regulations	UN	Class	Packing Group	Notes
Road/Rail	ADG Code	3082	9	III	Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HYDROCARBON SOLVENT)
Sea	IMDG	3082	9	III	Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HYDROCARBON SOLVENT)
Air	IATA/ICAO	3082	9	III	Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HYDROCARBON SOLVENT)

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1). Note 1: Materials that are fire risks are incompatible with oxidizing agents (Class 5.1) or organic peroxides (Class 5.2). Exemptions may apply.

Classified as a C1 (COMBUSTIBLE LIQUID) (flashpoint >61 – 150°C) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

This material is a Scheduled Poison (S5) and must be stored, maintained and used in accordance with the relevant regulations.

**15 REGULATORY INFORMATION**

EEC Symbol: Xn Harmful  
Xi Irritant

**GHS Classification**

GHS07 Acute toxicity, Inhalation (Category 4)  
Acute toxicity, Dermal (Category 4)  
Skin corrosion/irritation (Category 2)  
GHS08 Aspiration hazard (Category 1)  
GHS09 Chronic Hazard to the Aquatic Environment (Category 2)

**Full text of H-Statements referred to under sections 2 and 3.**

H227 Combustible liquid  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation  
H336 May cause drowsiness or dizziness  
H411 Toxic to aquatic life with long lasting effects.  
Skin Irrit. Skin irritation  
STOT RE Specific target organ toxicity following repeated exposure  
STOT SE Specific target organ toxicity following single exposure

**EEC Council Directives relating to the classification, packaging and labelling of dangerous substances and preparations Risk (R) and Safety (S) phrases:**

R20/22 Harmful by inhalation and if swallowed.  
R38 Irritating to skin  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness and cracking.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this SDS, container or label.

All the constituents of this material are listed on the *Australian Inventory of Chemical Substances (AICS)*.

**16 OTHER INFORMATION**

**Uses and restrictions:** This product is designed and intended for use in the concrete industry. Persistent abuse involving repeated and prolonged exposures to high concentrations of vapour ('sniffing') has been reported to result in central nervous system damage and eventually death.

**SDS distribution:** The information in this document should be made available to all who may handle the product.

**Reference:** The content and format of this safety data sheet is in accordance with the 3<sup>rd</sup> Revised Edition of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia's Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (2011)

**Issue Date** 26<sup>th</sup> January, 2017

**Reason for Issue** Supersedes previous issue dated May 2016  
Revised to reflect changes to environmental hazard classification

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the material are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising from or in any way connected with the handling, storage, use or disposal of the material