



SAFETY DATA SHEET

LIQUID RELEASE AGENT LIQUID RA

Issued: September 2020

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
Emergency/AH telephone: 0410 542 100
Web site: www.australianslatecrete.com.au

2 HAZARDS IDENTIFICATION

GHS Classification: GHS07 Aspiration Hazard, Inhalation (Category 1)
Skin corrosion/irritation (Category 2)
Flammable Liquids (Category 4)
GHS08 Specific target organ toxicity – single exposure (Category 3 – Narcotic effects)
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
P273 Avoid release to the environment
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+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of soapy water
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 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.

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 POISON

ADG CLASS: Classified as CLASS 9 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	> 60%	Xn, H227, H304, H411
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.

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.

Personal Protection:



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 overall. Check with equipment supplier to determine if level of protection is adequate.

Flammability: Combustible liquid C1

9 PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Clear, pale orange liquid
Smell:	Sweet odour
Boiling Point (at 760 mmHg):	179 – 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 >95% by weight (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 product toxicological information is available:

Acute Oral Toxicity (LD₅₀): no data

Acute Dermal Toxicity (LD₅₀): no data

Acute Inhalation Toxicity (LC₅₀): no data

12 ECOLOGICAL INFORMATION

Basis for assessment: Ecotoxicological data have not been determined specifically for this product.

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 reclaimer.

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".



Mode	Regulations	Class	Packaging Group	Notes
-	UN	3082	HAZCHEM: ●3Z	<u>Proper Shipping Name</u>
Sea	IMDG	9	III	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HYDROCARBON SOLVENT)
Road/Rail	ADG Code	9	III	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HYDROCARBON SOLVENT)
Air	IATA/ICAO	9	III	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HYDROCARBON SOLVENT)

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 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 Aspiration Hazard, Inhalation (Category 1)
Skin corrosion/irritation (Category 2)
Flammable Liquids (Category 4)
GHS08 Specific target organ toxicity – single exposure (Category 3 – Narcotic effects)
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.

Acute Tox. Acute toxicity
Asp. Tox. Aspiration hazard
Flam. Liq. Flammable liquids
H227 Combustible liquid
H304 May be fatal if swallowed and enters airways
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness
H373 May cause damage to organs through prolonged or repeated exposure
H411 Toxic to aquatic life with long lasting effects
Skin Irrit. Skin irritation
STOT RE Specific target organ toxicity - repeated exposure

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

R20/21 Harmful by inhalation and in contact with skin.
R43 May cause sensitization by skin contact
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.

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 3rd 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 28th September, 2020

Reason for Issue: Supersedes previous issue dated 21st May, 2016
Updated manufacturer and contact details

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