SAFETY DATA SHEET

SDS: 0075826
Date Prepared: 18-Jul-2025

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: **ACETONE**
Product Description: solvent
Intended/Recommended Use: solvent Recommended for Industrial and/or Professional use only
Uses advised against: Not available

Bondlast Construction Products.
24-28 Lady Ruby Drive, East Tamaki, Auckland 2013, New Zealand

For Product and all Non-Emergency Information call +64 (09) 267 2772 (business hours only) or contact us at https://www.dglbondlast.co.nz/contact/

EMERGENCY TELEPHONE NUMBER
Poisons Information Centre, New Zealand: 0800 764 766

2. HAZARDS IDENTIFICATION

Regulatory information
Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Notice 2020

EPA New Zealand HSNO approval code or group standard: HSR001070

GHS Classification
Flammable Liquids Category 2
Specific Target Organ Toxicity - Single Exposure Category 3
Serious Eye Damage / Eye Irritation Category 2

LABEL ELEMENTS

Signal Word
Danger

Hazard Statements
Highly flammable liquid and vapour
May cause drowsiness or dizziness

Causes serious eye irritation

Precautionary Statements

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take action to prevent static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling.

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. In case of fire: Use CO2, dry chemical, or foam to extinguish. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage

Store locked up. Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Disposal

Dispose of contents/container in accordance with local and national regulations.

OTHER HAZARDS

Not applicable

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3. COMPOSITION AND INFORMATION ON INGREDIENTS

Substance, Mixture or Article? Substance

Component / CAS No.	**%**
Acetone 67-64-1	>=99.9

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4. FIRST-AID MEASURES

Emergency telephone number

Poisons Information Centre, New Zealand: 0800 764 766

First-aid Measures

Inhalation:

Remove to fresh air. IF exposed or concerned: Get medical advice/attention.

Skin Contact:

Wash immediately with plenty of water and soap. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion:

Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth

to an unconscious person. Call a doctor.

Most Important Symptoms and Effects, Acute and Delayed
Burning sensation. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Immediate Medical Attention and Special Treatment
Not applicable.

Notes To Physician:
No specific measures have been identified.

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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:
Carbon dioxide. dry chemical. Alcohol resistant foam. Water spray.

Unsuitable Extinguishing Media:
full water jet.

Protective Equipment:
Move containers from fire area if it can be done without risk.

Special Hazards:
May be ignited by heat, sparks or flames. Vapours may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapours are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapour explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard. extremely flammable. Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

HAZCHEM Code: •2YE

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions:
Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take action to prevent static discharge. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Ventilate the area.

Methods For Containment:
Stop leak if safe to do so. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods For Cleaning Up:
Take action to prevent static discharge. Dam up. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal.

Environmental Precautions:
None known.

References to other sections:
See Sections 7, 8 and 13 for additional information.

7. HANDLING AND STORAGE

Handling

Precautions: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take action to prevent static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling.

Special Handling Statements: Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take action to prevent static discharge. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Containers must be bonded and grounded when pouring or transferring material.

Storage

Keep container tightly closed and dry in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL PARAMETERS - Limits

Acetone 67-64-1

New Zealand:	500 ppm (TWA)
	1185 mg/m^3 (TWA)
	1000 ppm (STEL)
	2375 mg/m^3 (STEL)
ACGIH (TLV):	500 ppm (STEL)
	250 ppm (TWA)

Benzene 71-43-2

New Zealand:	0.05 ppm (TWA)
	0.16 mg/m^3 (TWA)
	(skin)
ACGIH (TLV):	2.5 ppm (STEL)
	(skin)
	0.5 ppm (TWA)

Biological Exposure Limit(s)

Acetone 67-64-1

Biological Exposure Indices	50 mg/L (urine - end of shift)

Benzene 71-43-2

Biological Exposure Indices	2 µg/g creatinine (urine - end of shift)

Engineering Measures:

Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided

to control exposure.

Respiratory Protection:
For operations where inhalation exposure can occur use an approved respirator. Recommendations are listed below. Other protective respiratory equipment may be used based on user's own risk assessment.
Where respiratory protection is required, use a respirator selected and in accordance with AS/NZS 1715 and AS/NZS 1716.

Recommended:
Full Face Mask with organic vapor cartridge, Type AX filter (BP <=65°C)

Eye protection:
Wear eye/face protection such as chemical splash proof goggles or face shield. Eyewash equipment and safety shower should be provided in areas of potential exposure.

Skin Protection:
Avoid skin contact. Wear impermeable gloves and suitable protective clothing. Since this product is absorbed through the skin, care must be taken to prevent skin contact and contamination of clothing.

Hand protection:
Wear protective gloves. Recommendations are listed below. Other protective materials may be used based on user's own risk assessment. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. Replace gloves immediately when torn or any change in appearance (dimension, color, flexibility etc.) is noticed.

Gloves for repeated or prolonged exposure - non exhaustive list:
Polyethylene Nylon (PE), thickness: > 0.062 mm, break through time: > 480 min

Gloves for short term exposure/splash protection - non exhaustive list:
Butyl rubber (VB), thickness: 0.30 mm, break through time: up to 240 min

The chemical resistance depends on the type of product and amount of product on the glove. Therefore gloves need to be changed when in contact with chemicals.

Not suitable gloves - non exhaustive list:
Nitrile rubber (NBR), thickness: 0.38 mm
Neoprene rubber (NE), thickness: 0.13 mm

Due to many conditions (e.g. temperature, abrasion) the practical usage of a chemical protective glove in practice may be much shorter than the permeation time determined through testing. Use PE gloves as under gloves for difficult situations like for instance: high exposure, unknown composition or unknown properties of the chemicals.

Additional Advice:
Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear liquid
Colour:	colourless
Odor:	characteristic sweet
Odor Threshold:	See Section 8 for exposure limits.
Melting Point:	-95 °C
Boiling Point:	56 - 56.6 °C
Flammability:	Not available
Flammable Limits (% By Vol):	Lower: 2.1 Upper: 13

Flash point:	-20 °C closed cup
Autoignition temperature:	465 °C
Decomposition Temperature:	Not available
pH:	5 - 6
Viscosity (Kinematic):	0 mm^2/s
Viscosity (Dynamic):	0.32 - 0.33 mPa.s @ 20 °C
Solubility In Water:	1000 g/L Miscible
Solubility In Solvent:	Not available
Partition coefficient (n-octanol/water):	-0.24 - 0.24
Vapor Pressure:	187 - 247 hPa, 20°C
Specific Gravity/Density:	0.791 g/cm^3 @ 20 °C
Vapour density:	2.0
Particle characteristics:	Not applicable

9.2 OTHER INFORMATION

9.2.1 Information with regard to physical hazard classes
Not applicable

9.2.2 Other safety characteristics
Not applicable

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10. STABILITY AND REACTIVITY

Reactivity:	No information available
Stability:	Stable
Conditions To Avoid:	Heat, flames and sparks.
Polymerization:	Will not occur
Conditions To Avoid:	None known.
Materials To Avoid:	None known
Hazardous Decomposition Products:	None known

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11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Respiratory System, Skin, Eyes, Oral.

HEALTH HAZARD INFORMATION

Acute toxicity - oral: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.
Acute toxicity - dermal: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.
Acute toxicity - inhalation: Not Classified - Based on available data and/or professional judgment, the

classification criteria are not met.

Skin corrosion / irritation: Causes mild skin irritation
Serious eye damage / eye irritation: Causes serious eye irritation

Respiratory sensitization: Not Classified **-** Based on available data and/or professional judgment, the classification criteria are not met.
Skin sensitization: Not Classified **-** Based on available data and/or professional judgment, the classification criteria are not met.

Carcinogenicity: Not Classified **-** Based on available data and/or professional judgment, the classification criteria are not met.
Germ cell mutagenicity: Not Classified **-** Based on available data and/or professional judgment, the classification criteria are not met.
Reproductive toxicity: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure): Not Classified. **-** Based on available data and/or professional judgment, the classification criteria are not met.

Aspiration hazard: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

PRODUCT TOXICITY INFORMATION

ACUTE TOXICITY DATA

oral	rat	Acute LD50			> 2000	mg/kg
dermal	rabbit	Acute LD50			> 2000	mg/kg
inhalation	rat	Acute LC50	4	hr	> 5	mg/l (Dust/Mist)

LOCAL EFFECTS ON SKIN AND EYE

Acute Irritation	dermal	mild
Acute Irritation	eye	Irritating

ALLERGIC SENSITIZATION

Sensitization	Skin	No data
Sensitization	respiratory	No data

GENOTOXICITY

Assays for Gene Mutations

Ames Salmonella Assay	No data

OTHER INFORMATION
The product toxicity information above has been estimated.

HAZARDOUS INGREDIENT TOXICITY DATA

Acetone has acute oral (rat) and dermal (rabbit) LD50 values of 5.8 g/kg and 15.7 g/kg, respectively. The LC50 (rat) for acetone vapor after a four hour exposure is 16,000 ppm (37.95 mg/L). Literature reports a LC50 inhalation (4-hr,

rat) value of 29,900 ppm and acute ingestion can cause central nervous system effects. Chronic exposure to vapor may cause dryness of mouth, headache, dizziness, nausea, and loss of coordination. Liquid acetone is moderate to severely irritating to the eyes and mildly irritating to the skin. Repeated dermal application of acetone produced cataracts in the eyes of laboratory animals. High concentrations of acetone caused fetotoxic effects in laboratory animals tests. Acetone has shown positive results in in vitro screening tests for mutagenicity. Literature reports that in laboratory animal tests, acute ingestion has caused CNS effects and chronic ingestion has caused kidney and male reproductive organ effects.

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12. ECOLOGICAL INFORMATION

This material is not classified as dangerous for the environment. The ecological assessment for this material is based on an evaluation of its components.

ECOTOXICITY
Not available

BIOACCUMULATIVE POTENTIAL
Not available

PERSISTENCE AND DEGRADABILITY
Not available

MOBILITY IN SOIL
Not available

OTHER ADVERSE EFFECTS

HAZARD TO THE OZONE LAYER
Not available

HAZARDOUS INGREDIENT TOXICITY DATA

Component / CAS No.	Toxicity to Fish
Acetone (67-64-1)	LC50 4.74 - 6.33 mL/L - Oncorhynchus mykiss (96h) LC50 6210 - 8120 mg/L - Pimephales promelas (96h) LC50 = 8300 mg/L - Lepomis macrochirus (96h)

Component / CAS No.	Toxicity to Water Flea
Acetone (67-64-1)	EC50 10294 - 17704 mg/L - Daphnia magna (48h) EC50 12600 - 12700 mg/L - Daphnia magna (48h)

Component / CAS No.	Toxicity to Algae
Acetone (67-64-1)	Not available

Component / CAS No.	Partition coefficient
Acetone (67-64-1)	-0.24

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods
The company encourages the recycle and reuse of products and packaging, where possible and permitted.

Product disposal
When recycle or reuse is not possible, the comany recommends that our products, especially when classified as hazardous, be disposed of by thermal treatment or incineration at approved facilities. All local and national regulations should be followed.

Packaging disposal
Handle contaminated packages in the same way as the product itself. Disposal of emptied and cleaned packaging must be made in accordance with applicable local and national regulations.

Disposal-relevant information
Do not release directly or indirectly to surface water, ground water, soil or public sewage system.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

Road transport

Dangerous Goods? X

PROPER SHIPPING NAME:	Acetone
Hazard Class:	3
UN Number:	UN1090
Packing Group:	II
Transport Label Required:	Flammable liquid
HAZCHEM Code:	•2YE
IERG:	14

IMO

Dangerous Goods? X

UN PROPER SHIPPING NAME:	Acetone
Transport Hazard Class:	3
UN Number:	UN1090
Packing Group:	II
Transport Label Required:	Flammable liquid

ICAO / IATA

Dangerous Goods? X

UN PROPER SHIPPING NAME:	Acetone
Transport Hazard Class:	3
Packing Group:	II
UN Number:	UN1090
Transport Label Required:	Flammable liquid

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15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question

Ozone Depleting Substances (Regulation (EC) No 1005/2009): Not applicable
Persistent Organic Pollutants (Regulation (EC) No 850/2004): Not applicable

EPA New Zealand HSNO approval code or group standard: HSR001070

Health and Safety at Work Hazardous Substances Regulations 2017

Tracking:
This product does not require tracking

Certified Handler:
This product does not require a certified handler.

Controlled Substance: This product does not require a Controlled Substance Licence

Inventory Information

New Zealand: This product is approved or exempt under the Hazardous Substances and New Organisms (HSNO) Act.

Australia: All components of this product are included in the Australian Inventory of Industrial Chemicals (AIIC) or are not required to be listed on AIIC.

United States (USA): All components of this product are designated as “Active” on the TSCA Inventory or are not required to be listed.

Canada: All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the DSL.

China: All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

Japan: All components of this product are included on the Japanese (ENCS and ISHL) inventories or are not required to be listed on the Japanese inventories.

Philippines: All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine inventory.

Taiwan: All components of this product are included in the Taiwan chemical substance inventory or are not required to be listed on the Taiwan chemical substance inventory (TCSI).

16. OTHER INFORMATION

Reasons for Issue:

Date Prepared: 18-Jul-2025

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		