

C-Bond

by

Glassbond

Material Safety Data Sheet

Safety Data Sheet according to regulation (EC) N°1907/2006, (EU) 2015/830, 1272/2008(CLP) & 453/2010

Date Revised : 19.12.2022

Revision : 01

Product : **L302 – Glassbond Rapid Surface Activator**

Section 1 : Identification of the Substance/Mixture and of the Company/ Undertaking

- 1.1 Product Identifier
Product name : C-Bond Rapid Surface Activator – L302
REACH notes : Substances contained in this product that are not classified as hazardous have been/will be registered for UK/EU REACH at the appropriate time.
- 1.2 Relevant identified uses of the mixture and uses advised against.
Identified use : Activator

Uses advised against : No other uses
- 1.3 Details of the supplier of the safety data sheet
Company identification Glassbond (NW) Ltd
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Section 2 : Hazard Identification

- 2.1 Classification of the mixture:
Regulation (SI 2019 No 720)
Physical hazards Aerosol 1:H222;H229
Health hazards Skin Irrit 2:H315; STOT SE 3:H336
Environmental hazards Aquatic Chronic 2:H411
Human health Vapours and spray/mists in high concentrations are narcotic. See section 11.
Environmental The product contains a substance which is toxic to aquatic organisms.
Physiochemical Containers can burst violently or explode when heated, due to excessive pressure build up. The product is extremely flammable. Vapours may form explosive mixtures with air.

2.2 Label elements (According to Regulation (EC) No. 1272/2008(CLP))



GHS07: Harmful
GHS09: Dangerous for the environment
GHS02: Flammable

Signal Word(s) Danger

Hazard Statement(s) H222: Extremely flammable aerosol.
H229: Pressurised container: may burst if heated.
H315: Causes skin irritation.
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s): P102: Keep out of reach of children.
P302+352: IF ON SKIN: Wash with plenty of water.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn even after use.
P261: Avoid breathing vapour/spray.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTRE/doctor if you feel unwell.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Contains HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5%N-HEXANE, HYDROCARBONS, C6 ISOALKANES <5% N-HEXANE.

Supplementary precautionary statements P264: Wash contaminated skin thoroughly after handling.
P273: Avoid release to the environment.
P321: Specific treatment (see medical advice on the label).
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P501: Dispose of contents/container in accordance with national regulations.

2.3 Other Hazards

This product is not identified as a PBT/vPvB substance

Section 3 : Composition/Information on Ingredients

3.2 Mixtures:

HYDROCARBONS, C6-C7, N-Alkanes, ISOALKANES, CYCLICS, <5% N-HEXANE

EINECS	CAS	PBT/WEL	CLP Classification	Percent
921-024-6	928128-66-0	-	Flam Liq. 2:H225; Asp Tox. 1:H304; Skin Irrit. 2:H315; STOT SE 3:H336; Aquatic Chronic 2:H411	30-60

PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE

EINECS	CAS	PBT/WEL	CLP Classification	Percent
270-704-2	68476-85-7	-	Flam Gas. 1A:H220; Press Gas (Comp): H280	30-60

HYDROCARBONS, C6 ISOALKANES <5% N-HEXANE

EINECS	CAS	PBT/WEL	CLP Classification	Percent
931-254-9	64742-49-0	-	Flam Liq. 2:H225; Asp Tox. 1:H304; Skin Irrit. 2:H315; STOT SE 3:H336; Aquatic Chronic 2:H411	10-30

N,N-DIMETHYL-P-TOLUIDINE

EINECS	CAS	PBT/WEL	CLP Classification	Percent
202-805-4	99-97-8	-	Acute Tox 3:H301; Acute Tox 3:H311; Acute Tox 3: H331; STOT RE 2:H373; Aquatic Chronic 3: H412	<1

Section 4 : First Aid Measures

4.1 Description of first aid measures

General Information	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly.
Eyes	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.
Skin	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Ingestion	Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information See Section 11 for additional information on health hazards.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

Section 5 : Fire-Fighting Measures

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|-----|--|--|
| 5.1 | Extinguishing media | Foam, carbon dioxide or dry powder. |
| 5.2 | Special hazards arising from the mixture | Containers can burst violently or explode when heated, due to excessive pressure build up. |
| 5.3 | Advice for fire fighters | Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Use water to keep exposed containers cool and disperse vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. |

Section 6 : Accidental Release Measures

- 6.1 Personal Precautions, protective equipment and emergency procedures
Avoid inhalation of vapours and contact with the skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.
 - 6.2 Environmental Precautions
Do not discharge into drains or rivers.
 - 6.3 Methods and material for containment and cleaning up
Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.
 - 6.4 Reference to other sections
For personal protection see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal see Section 13.
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Section 7 : Handling and Storage

7.1 Precautions for safe handling

Handling requirements Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Use suitable respiratory protection if ventilation is inadequate.

Advice on general occupational hygiene Wash promptly with soap and water if skin becomes contaminated. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions Protect from freezing and direct sunlight. Store in a dry place. Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame.

7.3 Specific end use(s) Activator.

Section 8 : Exposure Controls/Personal Protection

Occupational exposure limits

8.1 Control parameters

PETROLEUM GASES, LIQUEFIED <0.1% 1, 3-BUTADIENE

State	Workplace Exposure Limits		Respirable Dust	
	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1000ppm	1250ppm	-	-

DNEL/PNEC

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE

Type	Exposure	Value	Population	Effect
DNEL	Oral (repeated dose)	699 mg/Kg day	Consumers	Systemic
DNEL	Oral (repeated dose)	733 mg/Kg day	Workers	Systemic
DNEL	Dermal (repeated dose)	773 mg/Kg day	Workers	Systemic
DNEL	Dermal (repeated dose)	699 mg/Kg day	Consumers	Systemic
DNEL	Inhalation (repeated dose)	608 mg/Kg day	Consumers	Systemic

HYDROCARBONS, C6 ISOALKANES <5% N-HEXANE

Type	Exposure	Value	Population	Effect
DNEL	Oral (repeated dose)	1301 mg/Kg day	Consumers	Systemic
DNEL	Dermal (repeated dose)	1377 mg/Kg day	Consumers	Systemic
DNEL	Dermal (repeated dose)	13964 mg/Kg day	Workers	Systemic
DNEL	Inhalation (repeated dose)	1131 mg/Kg day	Consumers	Systemic
DNEL	Inhalation (repeated dose)	5306 mg/Kg day	Workers	Systemic

8.2 Exposure controls

Respiratory protection: No specific recommendations. If ventilation is inadequate, suitable respiratory protection must be worn.

Hand protection: No specific requirements are anticipated under normal conditions of use.

Eye protection: Eyewear complying with an approved standard should be worn if a risk assessment indicates that eye contact is possible.

Skin protection: Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

Section 9 : Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

State	Aerosol
Colour	Clear
Odour	Solvent
Odour threshold	No information available
Melting point (°C)	No information available
Solubility in water	Insoluble
Evaporation rate	No information available
Evaporation factor	No information available
Flammability (solid/gas)	No information available
Boiling point/range (°C)	-41 (-41 to 215)
Flammability limits %: lower:	1.0
Flammability limits %: upper:	9.5
Flash point (°C)	-40
Relative density	0.627g/cm ³
Vapour pressure	No information available
Vapour density	No information available
pH	No information available
Partition coefficient	No information available
Auto-ignition temperature °C	413
Decomposition temperature °C	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidising properties	No information available

Section 10 : Stability and Reactivity

10.1	Reactivity	No test data specifically related to reactivity available for this product or its ingredients.
10.2	Chemical Stability	The product may not be stable under some conditions of storage or use.
10.3	Possibility of Hazardous reactions	None known.
10.4	Conditions to Avoid	Heat, Sources of ignition. Flames. Avoid exposing aerosol containers to high temperatures or direct sunlight.

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|------|----------------------------------|-------------------------------|
| 10.5 | Incompatible materials | None known. |
| 10.6 | Hazardous Decomposition Products | None at ambient temperatures. |

Section 11 : Toxicological information

11.1 Information on toxicological effects

Acute toxicity Oral 15,000 mg/Kg

Acute toxicity Dermal 45,000 mg/Kg

Acute toxicity Inhalation 450 mg/l (vapours)

Inhalation: Vapours in high concentration are narcotic. Vapours may cause headache, fatigue, dizziness and nausea.

Skin contact: Causes skin irritation.

Eye contact: Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards: No known chronic or acute health risks.

Route of exposure: Skin and/or eye contact. Inhalation.

Hazardous Ingredients:

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE

ORL RAT LD50 5001 mg/Kg

ATE ORAL RAT 5001 mg/Kg

SKN RABBIT LD50 2001 mg/Kg

ATE SKN RABBIT 2001 mg/Kg

HYDROCARBONS, C6 ISOALKANES <5% N-HEXANE

ORL RAT LD50 5001 mg/Kg

ATE ORAL RAT 5001 mg/Kg

SKN RABBIT LD50 2001 mg/Kg

ATE SKN RABBIT 2001 mg/Kg

IHL RAT LC50 21 mg/l vapours

ATE IHL RAT 21 mg/l vapours

N,N-DIMETHYL-P-TOLUIDINE

ORL RAT LD50 1650 mg/Kg

ATE ORAL RAT 100 mg/Kg

IHL RAT LC50 1.4 mg/l vapours

ATE IHL RAT 3.0 mg/l vapours

Inhalation:	Toxic if inhaled. Vapours in high concentration are narcotic. Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion:	Toxic if swallowed.
Skin contact:	Toxic in contact with skin.
Eye contact:	Vapour or spray in the eyes may cause irritation and smarting.
Acute and chronic health hazards:	May cause damage to organs through prolonged or repeated exposure.
Route of exposure:	Inhalation, ingestion, skin and/or eye contact.

Section 12 : Ecological Information

12.1 Toxicity

Hazardous ingredients:

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE
 Acute toxicity – fish LOEC: 1-10 mg/l FISH
 Acute toxicity – aquatic plants LOEC: 10-100 mg/l ALGAE
 Acute toxicity – microorganisms LOEC: 1-10 mg/l ACTIVATED SLUDGE

HYDROCARBONS, C6 ISOALKANES <5% N-HEXANE
 Acute toxicity – fish LOEC: 10-100 mg/l FISH
 Acute toxicity – aquatic plants LOEC: 10-100 mg/l ALGAE



N,N-DIMETHYL-P-TOLUIDINE
 Acute toxicity – fish LC50: 46-52 mg/l Pimephales promelas (96 H)

12.2	Persistence and degradability	No data available.
	N,N-DIMETHYL-P-TOLUIDINE	No data available.
12.3	Bioaccumulative potential	No data available.
	N,N-DIMETHYL-P-TOLUIDINE	No data available.
12.4	Mobility in soil	No data available.
	N,N-DIMETHYL-P-TOLUIDINE	No data available.
12.5	Results of PBT and vPvB assessment	This product does not contain any substances identified as PBT or vPvB.
	N,N-DIMETHYL-P-TOLUIDINE	This product does not contain any substances identified as PBT or vPvB.
12.6	Other adverse effects	None known.
	N,N-DIMETHYL-P-TOLUIDINE	No data available.

Section 13 : Disposal Consideration

- 13.1 Waste treatment methods
- General information Dispose of waste product or used containers in accordance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
- Disposal operations Containers should be thoroughly emptied before disposal, due to explosion risk. Do not pierce or burn even after use.
- Recovery operations The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

Section 14 : Transport Information

- 14.1 UN number UN1950
- 14.2 UN shipping name Aerosol, FLAMMABLE
- 14.3 Transport hazard class(es)
- ADR class 2.1
- ADR classification code 5F
- ADR label 2.1
- IMDG class 2.1
- ICAO class/division 2.1
- AND class 2.1
- Transport label 
- 14.4 Packing group Not applicable
- 14.5 Environmental hazards
- Environmentally hazardous: Yes
- Marine pollutant: Yes
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- 14.6 Special precautions for user
- EmS F-D, S-U
- Tunnel code: D
- Transport category: 2
- 14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code Not applicable

Section 15 : Regulatory Information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
Specific regulations
National regulations:
The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).
- 15.2 Chemical safety assessment:
A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16 : Other Information

* Sections Revised	N/A	Supersedes date	N/A
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Other information

Phrases used in s.2 and s.3

- H222: Extremely flammable aerosol.
- H225: Highly flammable liquid and vapour.
- H229: Pressurised container: may burst if heated.
- H280: Contains gas under pressure: may explode if heated.
- H301: Toxic if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H311: Toxic in contact with skin.
- H315: Causes skin irritation.
- H331: Toxic if inhaled.
- 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.
- H412: Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and 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 and without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Users should always carry tests to establish the suitability of any products for their intended applications. No statements shall be incorporated in any contract unless expressly agreed in writing or construed as recommending the use of any product in conflict of any patent. All goods are supplied subject to Glassbond Ltd's General Conditions of Sale.