



boyle industries
PTY LTD

SAFETY DATA SHEET

According to Work Health and Safety Regulations 2011 and National Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals

Version 1.0

Issue date: 28/06/2018

Revision date: 28/06/2018

SDS Record Number: CSSS-TCO-010-128130

1. Identification of the material and supplier

Product name: Boyle Craft Glue

Other Names: Transparent Universal Glue, All-Purpose Adhesive, Alcohol Glue
Home, office appliance.

Recommended use: Used for Connecting and adhering

Product Code: 455100;455225;455500

Company Name: Boyle Industries Pty Ltd

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Australia

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2. Hazards identification

GHS classification:

Physical hazards:	Flammable liquids	Category 2
Health hazards:	Serious eye damage/eye irritation	Category 2
	Specific target organ toxicity after single exposure	Category 3
Environmental hazards:	Not classified	

GHS label elements:

Hazard Pictograms: :



Signal word: Danger

Hazard statement: Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness

Precautionary statement:

Prevention: Keep away from heat/sparks/open flames/hot surfaces.– No smoking.
Keep container tightly closed.
Ground/Bond container and receiving equipment
Use explosion-proof electrical/ ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands thoroughly after handling.

Material name: Silicon glue

Version #: 1.0

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SDS AUSTRALIA

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Containment procedures:

Do not let product enter drains.

Methods for cleaning up:

Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents. Scoop up used absorbent into drums or other appropriate container. Wear appropriate protective equipment and clothing during clean-up. Stop source of leak if without risk. Eliminate all ignition sources. Do not use metal tools or equipment. Prevent entry into sewers, basements or confined areas; dike if needed. Dispose of spent absorbent in an approved industrial waste landfill. In case of large spills, follow all facility emergency response procedures

7. Handling and storage

Precautions for safe handling:

Avoid breathing vapors or spray mists. Avoid contact with skin and eyes. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Eliminate all ignition sources such as heaters, stoves, electric motors, open flames, pilot lights, etc. After handling, always wash hands thoroughly with soap and water.

Storage:

Keep the container closed. Store in a dry, cool and well ventilated area. Flammable materials should be stored in a separate safety storage cabinet or room. Ground all equipment containing material.

8. Exposure controls/personal protection

Control parameters

Follow standard monitoring procedures

Occupational exposure limits**Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)**

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	2375 mg/m ³
		1000 ppm
	TWA	1185 mg/m ³
Ethanol (CAS 64-17-5)	TWA	500 ppm
		1880 mg/m ³
		1000 ppm

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	2375 mg/m ³
		1000 ppm
	TWA	1185 mg/m ³
Ethanol (CAS 64-17-5)	TWA	500 ppm
		1880 mg/m ³
		1000 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	500 ppm
	TWA	250 ppm
Ethanol (CAS 64-17-5)	STEL	1000 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	3620 mg/m ³
		1500 ppm
	TWA	1210 mg/m ³
Ethanol (CAS 64-17-5)	TWA	500 ppm
		1920 mg/m ³

Use only outdoors or in a well-ventilated area.

Wear protective gloves/eye protection/face protection

Response:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER or doctor/ physician if you feel unwell.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use... for extinction.

Storage:

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

Store locked up.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international Regulations

Specific hazards:

Not applicable.

3. Composition/information on ingredients

Components	CAS No.	Percent		
		I	II	III
Vinyl acetate polymer	9003-20-7		32-42%	
Ethyl alcohol	64-17-5		35-45%	
acetone	67-64-1		20-30%	

4. First aid measures

Inhalation: Remove to fresh air. Oxygen may be administered if breathing is difficult. Seek medical attention if necessary.

Skin: Wash with soap and water. Seek medical attention if irritation persists.

Eye: Immediately flush eyes with running water for at least 15 minutes. If irritation persists, seek medical attention.

Ingestion: Do not induce vomiting. Have conscious person drink several glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions. Seek medical attention if necessary.

Notes to physician: Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media: Dry chemicals, CO2, alcohol foam.

Extinguishing media which must not be used for safety reasons: Not available.

Specific hazards arising from the chemical: Highly flammable. Vapor may travel considerable distance to source of ignition and flash back. This product may decompose in fire, releasing carbon dioxide and carbon monoxide.

Fire Fighting: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

HAZCHEM code None.

6. Accidental release measures

Personal precautions: Provide adequate ventilation. Avoid breathing vapors. Refer to section 8 of SDS for personal protection details.

1000 ppm

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1200 mg/m ³ 500 ppm
Ethanol (CAS 64-17-5)	TWA	960 mg/m ³ 500 ppm

Biological limit values:

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	80 mg/l	Aceton	Urine	*

* - For sampling details, please see the source document.

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	25 mg/l	Acetone	Urine	*

* - For sampling details, please see the source document.

Appropriate engineering controls:

Use exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal protective equipment:

Eye/face protection:

Chemical goggles.

Skin protection:

Protective clothing.

Respiratory protection:

In case of brief exposure or low pollution, use respiratory filter device. In case of intensive or longer exposure, use self-contained respiratory protective device.

Hand protection:

Nitrile or neoprene gloves.

9. Physical and chemical properties

Appearance:

Physical state:	Liquid
Form:	Viscous liquid
Color:	Colorless
Odor:	Aromatic
Odour threshold:	Not available
PH:	Not available
Melting point/Freezing point:	- 98 °C
Initial boiling point and boiling range:	57 – 60 °C
Flash point:	- 10 °C(Closed Cup)
Evaporation rate:	Not available
Flammability (solid, gas) :	Not available
Upper/lower flammability or explosive limits:	UFL 14%/ LFL 4.1%
Vapor pressure:	Not available
Vapor density:	Not available
Density:	Not available
Specific Gravity (H₂O = 1):	0.92 – 0.94 (25 °C)
Solubility (H₂O) :	Insoluble
Partition coefficient (n-octanol/water) :	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic:	Not available

Organic solvents: Not available
Water: Not available
VOC (EC) : Not available
Solids contents: Not available
Molecular Formula: Not available
Molecular Weight: Not available

10. Stability and reactivity

Reactivity: The substance is stable under normal storage and handling conditions.
Chemical stability: Stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions: No dangerous reactions known.
Conditions to avoid: Incompatible materials.
Incompatible materials: Avoid contact strong oxidizing agents, reducing agents, organic materials, acids, and alkalis.
Hazardous decomposition products: Carbon monoxide and carbon dioxide.

11. Toxicological information

Toxicological data:

Acute toxicity:
Ethyl alcohol (CAS#64-17-5)
LD50(Oral, Rat): 10 470 mg/kg bw
LD50(Dermal, Rabbit): Not available
LC50(Inhalation, Rat): 124.7 mg/L air 4h
Skin corrosion/Irritation: No data available.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.
STOT- single exposure: May cause drowsiness or dizziness
STOT-repeated exposure: No data available.
Aspiration hazard: No data available.
Other information This product has no known adverse effect on human health.

12. Ecological information

Toxicity:

Ethyl alcohol (CAS#64-17-5)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	22 200 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	275 mg/L	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Biodegradation can happen in both soil and water under both aerobic and anaerobic conditions.
Bioaccumulative potential: Not available.
Mobility in soil: Not available.
Other adverse effects: Toxic to microorganisms at high concentrations.

13. Disposal considerations

Disposal methods:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Waste from residues/unused products:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

ADG

UN number	1133
Proper shipping name	Adhesives
Hazard class	3
Packing group	II
Labels required	3
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	1133
Proper shipping name	Adhesives
Hazard class	3
Packing group	II
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	1133
Proper shipping name	Adhesives
Hazard class	3
Packing group	II
Environmental hazards	
Marine pollutant	No
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: IBC02

15. Regulatory information

Safety, health and environmental regulations

National regulations This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals (23/12/2011). Additional information is given in the Safety Data Sheet.

Australia Medicines & Poisons Appendix A

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix B

Ethanol (CAS 64-17-5)

Australia Medicines & Poisons Appendix D

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix E

Acetone (CAS 67-64-1)

Australia Medicines & Poisons Appendix F

Acetone (CAS 67-64-1)

Australia Medicines & Poisons Appendix G

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix H

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix I

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix J

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix K

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 10

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 2

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 3

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 4

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 5

Acetone (CAS 67-64-1)

Australia Medicines & Poisons Schedule 6

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 7

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 8

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 9

Poisons schedule number not allocated.

Australia National Pollutant Inventory (NPI): Threshold quantity

Acetone (CAS 67-64-1) 10 TONNES/YR Threshold Category: 1

Ethanol (CAS 64-17-5) 10 TONNES/YR Threshold Category: 1

High Volume Industrial Chemicals (HVIC)

Acetone (CAS 67-64-1) 1000 - 9999 TONNES See the regulation for additional information.

Ethanol (CAS 64-17-5) 10000 - 99999 TONNES See the regulation for additional information.

Importation of Ozone Depleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)

Not listed.

National Pollutant Inventory (NPI) substance reporting list

Not listed.

Prohibited Carcinogenic Substances

Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)

Not listed.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not listed.

Restricted Carcinogenic Substances

Not regulated.

International regulations

Stockholm Convention

Not applicable

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

Inventory status:

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic /Non-Domestic Substances List (DSL) /(NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial/ Notified Chemical Substances (EINECS) / (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Indication of changes:	Version 1.0
Training instructions:	Not applicable.
Further information:	This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.
Notice to reader:	Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Emergency Contact: **Poisons Information Centre
13 11 26 (Australia)**