

SAFETY DATA SHEET

Issue Date 1 August 2024

Version 2

Section 1: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name	C.I.A HI-BLEND SEALER
Description	Acrylic resin
UN/ID no	UN1866
Recommended Use	Recommended for Industrial and/or Professional use only
Uses advised against	Recommended for Industrial and/or Professional use only
Manufacturer	C.I.A Concrete 20 Endeavour Drive KUNDA PARK QLD 4556

For further information, please contact

Contact Point +61 (07) 5445 2399
E-mail address sales@ciaconcrete.com.au

Emergency telephone number **Poisons Information Centre +61 13 11 26**
Fire emergency 000

2. HAZARDS IDENTIFICATION

Classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG)

Classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonised System (GHS)

GHS Classification

Flammable liquids	Category 3
Acute toxicity - Dermal	Category 5
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Specific target organ toxicity (repeated exposure)	Category 2
Specific target organ toxicity (single exposure)	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1A
Acute aquatic toxicity	Category 2
Chronic aquatic toxicity	Category 2

Label elements



Signal word

Warning

Hazard statements

May be harmful in contact with skin
 Harmful if inhaled
 Causes skin irritation
 Causes serious eye irritation
 May cause an allergic skin reaction
 May cause damage to organs through prolonged or repeated exposure
 Toxic to aquatic life with long lasting effects
 May cause respiratory irritation, and drowsiness or dizziness
 Flammable liquid and vapour

Precautionary Statements - Prevention

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
 Contaminated work clothing should not be allowed out of the workplace
 Avoid release to the environment
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 Keep container tightly closed
 Use explosion-proof electrical/ ventilating/ lighting/ equipment
 Ground/bond container and receiving equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Keep cool
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Call a POISON CENTER or doctor if you feel unwell.

Specific treatment (see supplemental first aid instructions on this label)

Eyes 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

Skin If skin irritation or rash occurs: Get medical advice/attention
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse

Inhalation IF INHALED: Remove person to fresh air and keep comfortable for breathing
 Call a POISON CENTRE or doctor if you feel unwell

Fire In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

Spill Collect spillage

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

No hazard identified

3. COMPOSITION/INFORMATION ON INGREDIENTS
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Substance

Not applicable

Mixture

Chemical Name	CAS No	Weight-%
Solvent naphtha (petroleum), light aromatic	64742-95-6	40-50
Xylene	1330-20-7	25-<30
Ethylbenzene	100-41-4	5-<10
Bis (1-2,2,5,6-Pentamethyl-4) PiperidinyI Sebacate	41556-26-7	5-<10
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7	1-<2.5

4. FIRST AID MEASURES

General advice	Show this safety data sheet to the doctor in attendance.
Symptoms	Itching. Rashes. Hives. Burning sensation.
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.
Skin contact	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Get medical attention if irritation develops and persists. Wash off immediately with soap and plenty of water for at least 15 minutes.
Inhalation	Remove to fresh air. If exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.
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 physician.
Note to physicians	May cause sensitization in susceptible persons. Treat symptomatically.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flammable; may be ignited by heat, sparks or flames Flammable liquid

Suitable extinguishing media

Carbon dioxide (CO₂) Dry chemical Alcohol resistant foam Water spray

Unsuitable extinguishing media

Do not use water jetstream

Specific hazards arising from the chemical

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 Product is or contains a sensitizer May cause sensitization by skin contact

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Evacuate personnel to safe areas Use personal protective equipment as required See section 8 for more information 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 discharges All equipment used when handling the product must be grounded Do not touch or walk through spilled material

Environmental precautions

Refer to protective measures listed in Sections 7 and 8 Prevent further leakage or spillage if safe to do so. Prevent product from entering drains

Methods for containment

Stop leak if you can do it without risk Do not touch or walk through spilled material A vapour suppressing foam may be used to reduce vapours Dike far ahead of spill to collect runoff 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 discharges Dam up Soak up with inert absorbent material Pick up and transfer to properly labelled containers

Other Information

Ventilate the area Refer to protective measures listed in Sections 7 and 8

7. HANDLING AND STORAGE**Advice on safe handling**

Use personal protection equipment Avoid contact with skin and eyes Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking Take action to prevent static discharges 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 practice Avoid contact with skin, eyes or clothing Ensure adequate ventilation In case of insufficient ventilation, wear suitable respiratory equipment Do not eat, drink or smoke when using this product Take off contaminated clothing and wash it before reuse

Storage Conditions

Keep containers tightly closed in a dry, cool and 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 Store locked up Keep out of the reach of children

Incompatible materials

Strong acids Strong bases Strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	Australia
Xylene 1330-20-7	80 ppm TWA 350 mg/m ³ TWA 150 ppm STEL 655 mg/m ³ STEL
Ethylbenzene 100-41-4	100 ppm TWA 434 mg/m ³ TWA 125 ppm STEL 543 mg/m ³ STEL

Other Information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

Engineering Controls

Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment**Eye/face protection**

Tight sealing safety goggles Face protection shield

Skin and body protection

Antistatic footwear Wear fire resistant or flame retardant clothing Gloves made of plastic or rubber Suitable protective clothing Apron

General Hygiene Considerations

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product. Wash hands before breaks and after work. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Wash contaminated clothing before reuse.

Derived No Effect Level (DNEL)

Chemical Name	Worker - dermal, long-term - local	Worker - dermal, long-term - systemic	Worker - dermal, short-term - local	Worker - dermal, short-term - systemic
Xylene 1330-20-7	-	108 mg/kg bw/day	-	-
Ethylbenzene 100-41-4	-	108 mg/kg bw/day	-	-

Chemical Name	Worker - inhalative, long-term - local	Worker - inhalative, long-term - systemic	Worker - inhalative, short-term - local	Worker - inhalative, short-term - systemic
Xylene 1330-20-7	-	14.8 mg/m ³	174 mg/m ³	174 mg/m ³
Ethylbenzene 100-41-4	-	14.8 mg/m ³	174 mg/m ³	174 mg/m ³

Chemical Name	Worker - oral, long-term - local and systemic	Worker - oral, short-term - local and systemic
Xylene 1330-20-7	1.6 mg/kg bw/day	-
Ethylbenzene 100-41-4	1.6 mg/kg bw/day	-

Predicted No Effect Concentration (PNEC)

Chemical Name	Freshwater	Freshwater sediment	Marine water	Marine sediment	Soil	Municipal STP
Xylene 1330-20-7	0.327 mg/l	12.46 mg/l	0.327 mg/l	12.46 mg/l	2.31 mg/l	6.58 mg/l

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	liquid
Appearance	viscous Hazy
Colour	No information available
Odour	Aromatic Petroleum distillates
Odour threshold	No information available

Property	Values	Remarks • Method
pH		Not applicable
Melting point / freezing point		No information available
Boiling point / boiling range	124 - 145 °C	(based on components)
Flash point	31 °C	Tag Closed Cup Derived from solvent
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability limit:	7.7 %	
Lower flammability limit:	1.1 %	
Vapour pressure	52 hPa,	40°C Derived from solvent
Vapour density		No information available
Relative density	0.91	
Water solubility		insoluble
Solubility(ies)	-	No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity	93 mm ² /s	
Dynamic viscosity	85 - 125 mPa s	
Explosive properties		No information available
Oxidizing properties		No information available

Other Information

VOC Content (%) 32.67743
 Density No information available
 * This information may be derived from the components in the preparation.

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions
Conditions to avoid Heat, flames and sparks
Incompatible materials Strong acids Strong bases Strong oxidizing agents
Hazardous Decomposition Products None under normal use conditions
Possibility of Hazardous Reactions None under normal processing

11. TOXICOLOGICAL INFORMATION**Product Information****Unknown acute toxicity**

2 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
 7 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
 2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
 7 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)
 7 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

The following values are calculated based on chapter 3.1 of the GHS document.

Converted acute toxicity point estimates may have been used when only acute toxicity hazard classification is available.

ATEmix (oral) 26,463.00 mg/kg
ATEmix (dermal) 4,209.00 mg/kg
ATEmix (inhalation-dust/mist) 4.60 mg/l
ATEmix (inhalation-vapor) 34.00 mg/l

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Solvent naphtha (petroleum), light aromatic	= 8400 mg/kg (Rat)	-	= 3400 ppm (Rat) 4 h
Xylene	= 3500 mg/kg (Rat)	-	= 29.08 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h
Ethylbenzene	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h
Bis (1-2,2,5,6-Pentamethyl-4) PiperdinyI Sebacate	= 2615 mg/kg (Rat)	-	-

Chronic toxicity**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B)

Chemical Name	IARC
Xylene	Group 3
Ethylbenzene	Group 2B

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans
 Group 3 - Not Classifiable as to Carcinogenicity in Humans

Irritation No information available
Corrosivity No information available
Sensitization May cause sensitization by skin contact
Neurological effects No information available
Germ cell mutagenicity No information available
Reproductive toxicity No information available
Developmental Toxicity No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Unknown Aquatic Toxicity 0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Fish
Solvent naphtha (petroleum), light aromatic	9.22 mg/L LC50 96 h <i>Oncorhynchus mykiss</i>
Xylene	13.4 mg/L LC50 96 h <i>Pimephales promelas</i> flow-through 13.5 - 17.3 mg/L LC50 96 h <i>Oncorhynchus mykiss</i> 13.1 - 16.5 mg/L LC50 96 h <i>Lepomis macrochirus</i> flow-through 23.53 - 29.97 mg/L LC50 96 h <i>Pimephales promelas</i> static 19 mg/L LC50 96 h <i>Lepomis macrochirus</i> 2.661 - 4.093 mg/L LC50 96 h <i>Oncorhynchus mykiss</i> static 30.26 - 40.75 mg/L LC50 96 h <i>Poecilia reticulata</i> static 780 mg/L LC50 96 h <i>Cyprinus carpio</i> semi-static 780 mg/L LC50 96 h <i>Cyprinus carpio</i> 7.711 - 9.591 mg/L LC50 96 h <i>Lepomis macrochirus</i> static
Ethylbenzene	11.0 - 18.0 mg/L LC50 96 h <i>Oncorhynchus mykiss</i> static 7.55 - 11 mg/L LC50 96 h <i>Pimephales promelas</i> flow-through 9.1 - 15.6 mg/L LC50 96 h <i>Pimephales promelas</i> static 9.6 mg/L LC50 96 h <i>Poecilia reticulata</i> static 4.2 mg/L LC50 96 h <i>Oncorhynchus mykiss</i> semi-static 32 mg/L LC50 96 h <i>Lepomis macrochirus</i> static
Bis (1-2,2,5,6-Pentamethyl-4) PiperdinyI Sebacate	0.97 mg/L LC50 96 h <i>Lepomis macrochirus</i> static

Chemical Name	Crustacea
Solvent naphtha (petroleum), light aromatic	6.14 mg/L EC50 48 h <i>Daphnia magna</i>
Xylene	3.82 mg/L EC50 48 h water flea 0.6 mg/L LC50 48 h <i>Gammarus lacustris</i>
Ethylbenzene	1.8 - 2.4 mg/L EC50 48 h <i>Daphnia magna</i>
Bis (1-2,2,5,6-Pentamethyl-4) PiperdinyI Sebacate	20 mg/L EC50 24 h <i>Daphnia magna</i>

Chemical Name	Algae/aquatic plants
Ethylbenzene	438 mg/L EC50 96 h <i>Pseudokirchneriella subcapitata</i> 4.6 mg/L EC50 72 h <i>Pseudokirchneriella subcapitata</i> 1.7 - 7.6 mg/L EC50 96 h <i>Pseudokirchneriella subcapitata</i> static 2.6 - 11.3 mg/L EC50 72 h <i>Pseudokirchneriella subcapitata</i> static

Persistence and degradability No information available.

Bioaccumulation .

Component	Partition coefficient
Xylene 1330-20-7 (25-<30)	3.15
Ethylbenzene 100-41-4 (5-<10)	3.118
Bis (1-2,2,5,6-Pentamethyl-4) PiperdinyI Sebacate 41556-26-7 (5-<10)	0.37

Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products	Refer to all federal, state and local regulations prior to disposal of container and unused contents by reuse, recycle or disposal
Contaminated packaging	Refer to all federal, state and local regulations prior to disposal of container and unused contents by reuse, recycle or disposal.

14. TRANSPORT INFORMATION**ADR**

UN/ID no	UN1866
Proper shipping name	Resin solution
Description	UN1866, Resin solution, 3, III, (D/E), Environmentally Hazardous
Hazard Class	3
Labels	3
Packing Group	III
Classification code	F1

IMDG

UN/ID no	UN1866
Proper shipping name	Resin solution
Description	UN1866, Resin solution (Bis (1-2,2,5,6-Pentamethyl-4) PiperdinyI Sebacate), 3, III, (31°C C.C.), Marine pollutant
Hazard Class	3
Packing Group	III
Special Precautions for users	223, 955
Marine pollutant	This material meets the definition of a marine pollutant
EmS-No	F-E, S-E

IATA

UN/ID no	UN1866
Proper shipping name	Resin solution
Description	UN1866, Resin solution, 3, III
Hazard Class	3
Packing Group	III
ERG Code	3L

15. REGULATORY INFORMATION**International Regulations**

Ozone-depleting substances (ODS)	Not applicable
Persistent Organic Pollutants	Not applicable
Export Notification requirements	Not applicable

International Inventories

AICS - Australian Inventory of Chemical Substances	Listed or exempt
DSL - Canadian Domestic Substances List	Listed or exempt
IECSC - China Inventory of Existing Chemical Substances	No information available
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances	No information available
ENCS - Japan Existing and New Chemical Substances	No information available
KECL - Korean Existing and Evaluated Chemical Substances	Listed or exempt
NZIoC - New Zealand Inventory of Chemicals	Listed or exempt
PICCS - Philippines Inventory of Chemicals and Chemical Substances	Listed or exempt
CICR - Turkey Chemical Inventory Control Regulation	No information available
TSCI - Taiwan Chemical Substance Inventory	No information available
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory	Listed or exempt

For confirmation on the European REACH status contact the Allnex Compliance group at PSRA-Customer-Requests@allnex.com

16. OTHER INFORMATION**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
**	Hazard Designation	+	Sensitizers

Disclaimer

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End of Safety Data Sheet