Safety Data Sheet

LOCTITE AA H8000 B known as H8000 SPEEDBONDR 490ML DUAL

SDS No. : 356331
V001.2
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SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: LOCTITE AA H8000 B known as H8000 SPEEDBONDR 490ML DUAL

Intended use: Acrylics

Supplier:

Henkel New Zealand Ltd
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East Tamaki
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New Zealand
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Emergency information: 24 HOUR EMERGENCY CONTACT NUMBER 0800 243 622

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture
Classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).

GHS Classification:

Hazard Class	Hazard Category
Organic peroxides	Type F
Skin irritation	Category 2
Serious eye irritation	Category 2A
Skin sensitizer	Category 1
Toxic to reproduction	Category 1B
Acute hazards to the aquatic environment	Category 1
Chronic hazards to the aquatic environment	Category 1

Hazard pictogram:

Signal word: Danger

Hazard statement(s):
H242 Heating may cause a fire.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H360 May damage fertility or the unborn child.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

Prevention:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234 Keep only in original packaging.
P240 Ground and bond container and receiving equipment.
P261 Avoid breathing mist/vapours.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Storage:
P403 Store in a well-ventilated place.
P405 Store locked up.
P410 Protect from sunlight.
P411 Store at temperatures not exceeding ....°C/....°F.
P420 Store separately.

Disposal:
P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description: Mixture
Type of preparation: Part B of a two part adhesive

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Dibenzoyl peroxide	94-36-0	20- < 30 %
reaction product: bisphenol-A-(epichlorhydrin)	25068-38-6	20- < 30 %
Benzyl butyl phthalate	85-68-7	10- < 20 %
Ethene, homopolymer	9002-88-4	10- < 20 %
2,2'-[methylenebis(p-phenyleneoxymethylene)]bisoxirane	2095-03-6	0.1- < 1 %

SECTION 4 FIRST AID MEASURES

Ingestion:	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
Skin:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eyes:	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.
First Aid facilities:	Eye wash
Medical attention and special treatment:	Treat symptomatically and supportively.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Foam, dry chemical or carbon dioxide.
Decomposition products in case of fire:	Oxides of carbon. Phenolics. Toxic fumes. Irritating vapors.
Particular danger in case of fire:	Danger of decomposition if exposed to heat. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Do not allow product to enter sewer or waterways.
Clean-up methods:	Remove all sources of ignition. Ensure adequate ventilation. Wear appropriate personal protective equipment. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Keep away from heat, spark and flame.
Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.
Use only with adequate ventilation.
Keep container closed.

Conditions for safe storage:

Store in sealed original container.
Protect against contamination.
Store in locked premises or with access restricted to especially instructed personnel.
Store in a cool, dry place.
Ensure that storage and workrooms are adequately ventilated.
Keep away from heat and direct sunlight.
Do not store together with substances which can be oxidized.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure standards:

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Ceiling	STEL (ppm)	STEL (mg/m3)
BENZOYL PEROXIDE 94-36-0			5	-	-	-
BENZYL BUTYL PHTHALATE 85-68-7			5	-	-	-
PARTICULATES NOT OTHERWISE CLASSIFIED, RESPIRABLE DUST 9002-88-4	Respirable dust.		3	-	-	-
PARTICULATES NOT OTHERWISE CLASSIFIED, INHALABLE DUST	Inhalable dust.		10	-	-	-

Biological Exposure Indices:
None

Engineering controls:

Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Eye protection:

Safety goggles or safety glasses with side shields.
Full face protection should be used if the potential for splashing or spraying of product exists.

Skin protection:

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

Respiratory protection:

If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue
Liquid
Odor: Slight, Characteristic
Specific gravity: 1.1674
Flash point: > 93.00 °C (> 199.4 °F)
(Pensky Martens closed cup)
Solubility in water: Slight

Viscosity (dynamic): (Brookfield; Instrument: HBD; 25.0 °C (77 °F); speed of rotation: 20 min-1; Spindle No: 5; Method: ;; LCT STM 10; Viscosity Brookfield)	10,000 - 25,000 cp

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of temperature and pressure.
Conditions to avoid:	Keep away from heat, ignition sources and incompatible materials. Protect from direct sunlight. Do not mix in batches greater than 100 grams (0.22 pounds) unless you plan to use immediately.
Incompatible materials:	Oxidizing agents. Acids. Bases.
Hazardous decomposition products:	Oxides of carbon. Phenolics. Toxic fumes. Irritating vapors.
Hazardous polymerization:	Polymerization may occur at elevated temperature or in the presence of incompatible materials.

SECTION 11 TOXICOLOGICAL INFORMATION

Health Effects:

Ingestion:	May cause gastrointestinal tract irritation if swallowed.
Skin:	Causes skin irritation. May cause allergic skin reaction.
Eyes:	Causes serious eye irritation.
Inhalation:	May cause respiratory tract irritation.
Aggravated med. condition:	Eye, skin, and respiratory disorders.
Toxicity for reproduction:	May damage fertility or the unborn child.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Dibenzoyl peroxide 94-36-0	LD50 LC0 LC50	> 2,000 mg/kg 24.3 mg/l > 24.3 mg/l	oral inhalation inhalation	 4 h 4 h	mouse rat rat	OECD Guideline 401 (Acute Oral Toxicity) equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	LD50 LD50	> 2,000 mg/kg > 2,000 mg/kg	oral dermal		rat rat	OECD Guideline 420 (Acute Oral Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
Benzyl butyl phthalate 85-68-7	LD50 LD50	5,000 mg/kg > 10,000 mg/kg	oral dermal		rat rabbit	not specified not specified
Ethene, homopolymer 9002-88-4	Acute toxicity estimate (ATE) Acute toxicity estimate (ATE) Acute toxicity estimate (ATE)	> 5,000 mg/kg > 5 mg/l > 5,000 mg/kg	oral inhalation dermal	4 h		Expert judgement Expert judgement Expert judgement
2,2'-[methylenebis(p-phenyleneoxymethylene)] bisoxirane 2095-03-6	LD50 LD50	> 2,000 mg/kg > 2,000 mg/kg	oral dermal		rat rat	OECD Guideline 420 (Acute Oral Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Dibenzoyl peroxide 94-36-0	not irritating	4 h	rabbit	equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	not irritating	4 h	rabbit	not specified
Benzyl butyl phthalate 85-68-7	not irritating		rabbit	Draize Test

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Dibenzoyl peroxide 94-36-0	not irritating		rabbit	FDA Guideline
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Benzyl butyl phthalate 85-68-7	not irritating		rabbit	Draize Test
Ethene, homopolymer 9002-88-4	not irritating	24 h	rabbit	FDA Guideline

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Dibenzoyl peroxide 94-36-0	sensitising	Mouse local lymphnode assay (LLNA)	mouse	equivalent or similar to OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Ethene, homopolymer 9002-88-4	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
2,2'-[methylenebis(p-phenyleneoxymethylene)] bisoxirane 2095-03-6	sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Dibenzoyl peroxide 94-36-0	negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Dibenzoyl peroxide 94-36-0	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 472 (Genetic Toxicology: Escherichia coli, Reverse Mutation Assay)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	negative	oral: gavage		mouse	not specified
Benzyl butyl phthalate 85-68-7	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		not specified
Ethene, homopolymer 9002-88-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Dibenzoyl peroxide 94-36-0	NOAEL=190 mg/kg	oral: feed	120 wdaily	rat	not specified
Dibenzoyl peroxide 94-36-0	NOAEL=> 833 mg/kg	dermal	104 wdaily	mouse	OECD Guideline 451 (Carcinogenicity Studies)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	NOAEL=50 mg/kg	oral: gavage	14 wdaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Benzyl butyl phthalate 85-68-7	NOAEL=375 mg/kg	oral: feed	90 daysdaily	rat	not specified

SECTION 12. ECOLOGICAL INFORMATION

General ecological information: Do not empty into drains / surface water / ground water.

Ecotoxicity: Very toxic to aquatic life with long lasting effects., Do not empty into drains / surface water / ground water.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Dibenzoyl peroxide 94-36-0	LC50	0.06 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Dibenzoyl peroxide 94-36-0	EC50	0.11 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Dibenzoyl peroxide 94-36-0	ErC50	0.071 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Dibenzoyl peroxide 94-36-0	NOEC	0.02 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Dibenzoyl peroxide 94-36-0	EC 50	35 mg/l	Bacteria	30 min	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	LC50	1.75 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	EC50	1.7 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	EC50	> 11 mg/l	Algae	72 h	Scenedesmus capricornutum	OECD Guideline 201 (Alga, Growth Inhibition Test)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	NOEC	4.2 mg/l	Algae	72 h	Scenedesmus capricornutum	OECD Guideline 201 (Alga, Growth Inhibition Test)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	IC50	> 100 mg/l	Bacteria	3 h	activated sludge, industrial	other guideline:
Benzyl butyl phthalate 85-68-7	LC50	1.5 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Benzyl butyl phthalate 85-68-7	NOEC	0.14 - 0.36 mg/l	Fish	30 d	Pimephales promelas	OECD Guideline 210 (fish early lite stage toxicity test)
Benzyl butyl phthalate 85-68-7	EC50	1.8 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Benzyl butyl phthalate 85-68-7	EC50	0.66 mg/l	Algae	96 h	Navicula pelliculosa	OECD Guideline 201 (Alga, Growth Inhibition Test)
Benzyl butyl phthalate 85-68-7	NOEC	0.17 mg/l	Algae	96 h	Navicula pelliculosa	OECD Guideline 201 (Alga, Growth Inhibition Test)
Benzyl butyl phthalate 85-68-7	EC0	0.4 mg/l	Bacteria	30 min		not specified
Ethene, homopolymer 9002-88-4	LC50	> 100 mg/l	Fish	96 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Ethene, homopolymer 9002-88-4	EC0	> 1,000 mg/l	Bacteria	3 h	not specified	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
2,2'-[methylenebis(p-phenyleneoxymethylene)]biso	LC50	> 1 - 10 mg/l	Fish	96 h	not specified	OECD Guideline 203 (Fish, Acute

xirane 2095-03-6 2,2'-[methylenebis(p-phenyleneoxymethylene)]bisoxirane 2095-03-6	EC50	> 1 - 10 mg/l	Daphnia	48 h	Daphnia magna	Toxicity Test) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Dibenzoyl peroxide 94-36-0	readily biodegradable	aerobic	71 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	not readily biodegradable.	aerobic	5 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Benzyl butyl phthalate 85-68-7	inherently biodegradable	aerobic	77.7 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
Benzyl butyl phthalate 85-68-7	readily biodegradable	aerobic	93 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Ethene, homopolymer 9002-88-4	not readily biodegradable.	aerobic	1 %	ISO 10708 (BODIS-Test)
2,2'-[methylenebis(p-phenyleneoxymethylene)]bisoxirane 2095-03-6	not readily biodegradable.	aerobic	< 10 %	OECD 301 A - F

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Dibenzoyl peroxide 94-36-0		66.6		fish		OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
Dibenzoyl peroxide 94-36-0	3.2				22 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
reaction product: bisphenol-A-(epichlorhydrin) 25068-38-6	3.242				25 °C	EU Method A.8 (Partition Coefficient)
Benzyl butyl phthalate 85-68-7		663	21 d	Lepomis macrochirus	16 °C	not specified
Benzyl butyl phthalate 85-68-7	4.91				20 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal of product: Dispose of in accordance with local and national regulations.

Disposal for uncleaned package: Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

SECTION 14. TRANSPORT INFORMATION

Land Transport:

UN no.:	3109
Proper shipping name:	ORGANIC PEROXIDE TYPE F, LIQUID (DIBENZOYL PEROXIDE)
Class or division:	5.2
Packing group:	

Marine transport IMDG:

UN no.:	3109
Proper shipping name:	ORGANIC PEROXIDE TYPE F, LIQUID (DIBENZOYL PEROXIDE) (Butyl-benzyl-phthalate,Dibenzoyl peroxide)
Class or division:	5.2
Packing group:	
EmS:	F-J ,S-R
Seawater pollutant:	-

Air transport IATA:

UN no.:	3109
Proper shipping name:	Organic peroxide type F, liquid (Dibenzoyl peroxide)
Class or division:	5.2 (HEAT)
Packing group:	
Packing instructions (passenger)	570
Packing instructions (cargo)	570
Additional Information IATA:	(Not more than 490 ml)

Further information for transport:

When shipping as a set (component A and B), the following dangerous goods classification 'UN 3269 Polyester Resin Multi-Component System' can be used.

SECTION 15. REGULATORY INFORMATION

New Zealand regulatory information:
Classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).

HSNO Approval Number: Group standard HSR002662

NZIoC: Compliant for NZIOC

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:
STEL - Short term exposure limit
TWA - Time weighted average
HSNO - Hazardous Substances and New Organisms
IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

Reason for issue: Reviewed SDS. Reissued with new date. involved chapters: 1-16

Date of previous issue: 19.01.2021

Disclaimer:

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel New Zealand Limited, but only as an approximate guide to the content of hazardous ingredients in the material. The information contained herein does not constitute a guarantee by Henkel New Zealand Limited concerning the properties of the material.
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