Safety Data Sheet

DELETE Pattex All Purpose Silic

SDS No. : 527797
V001.0
Date of issue: 13.01.2017

Section 1. Identification of the substance/preparation and of the company/undertaking

Product name: DELETE Pattex All Purpose Silic

Intended use: Sealant

Supplier:
Henkel Australia Pty Ltd
135-141 Canterbury Road
Kilsyth, Victoria, 3137
Australia

Phone: +61 (3) 9724 6444

Emergency information: 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

Section 2. Hazards identification

Classification of the substance or mixture
Hazardous according to the criteria of Safe Work Australia.

GHS Classification:

Hazard Class	Hazard Category
Skin irritation	Category 2
Serious eye damage/eye irritation	Category 1
Toxic to reproduction	Category 1B
Acute hazards to the aquatic environment	Category 3
Chronic hazards to the aquatic environment	Category 3

Hazard pictogram:

Signal word: Danger

Hazard statement(s):
H315 Causes skin irritation.
H318 Causes serious eye damage.
H360 May damage fertility or the unborn child.
H412 Harmful 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.
P264 Wash hands thoroughly after handling.
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 soap and water.
P305+P351+P338+P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing.

Storage:
P405 Store locked up.

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

Dangerous Goods information:
Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Section 3. Composition / information on ingredients

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Distillates, petroleum, hydrotreated middle	64742-46-7	1- 10 %
Triacetoxyethylsilane	17689-77-9	1- 10 %
Methylsilanetriyl triacetate	4253-34-3	1- 10 %
Dibutyltin di(acetate)	1067-33-0	< 1 %
non hazardous ingredients~		60- 100 %

Section 4. First aid measures

Ingestion:
Do not induce vomiting.
Have victim rinse mouth thoroughly with water.
Seek medical advice.

Skin:
In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water.
Seek medical advice.

Eyes:
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Immediate medical treatment necessary.

Inhalation: Move to fresh air.
Keep warm and in a quiet place.
Seek medical advice.

First Aid facilities: Eye wash and safety shower
Normal washroom facilities

Medical attention and special treatment: Treat symptomatically.

Section 5. Fire fighting measures

Suitable extinguishing media: Carbon dioxide, foam, powder

Decomposition products in case of fire:: Thermal decomposition can lead to release of irritating gases and vapors.
carbon monoxide
Carbon dioxide.
Oxides of nitrogen.
Silica fume
Thermal decomposition of this product may release formaldehyde which is a carcinogen.

Special protective equipment for fire-fighters: Wear full protective clothing.
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

Additional fire fighting advice: In case of fire, keep containers cool with water spray.
Collect contaminated fire fighting water separately. It must not enter drains.

Section 6. Accidental release measures

Personal precautions: Avoid contact with skin and eyes.
Ensure adequate ventilation.
Wear protective equipment.

Environmental precautions: Do not let product enter drains.

Clean-up methods: Scrape up as much material as possible.
Ensure adequate ventilation.
Store in a partly filled, closed container until disposal.
Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Precautions for safe handling: Ensure that workrooms are adequately ventilated.
Avoid contact with eyes, skin and clothing.
Wear suitable protective clothing, safety glasses and gloves.

Conditions for safe storage: Keep container tightly sealed.
Do not store or use near heat, spark, open flame or other sources of ignition.
Store in a cool, well-ventilated place.
< + 30 °C

Section 8. Exposure controls / personal protection

National exposure standards:

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Peak Limit. (ppm)	Peak Limit. (mg/m3)	STEL (ppm)	STEL (mg/m3)
OIL MIST, REFINED MINERAL 64742-46-7	Mist.		5	-	-	-	-

TIN, ORGANIC COMPOUNDS (AS SN) 1067-33-0			0.1	-	-	-	-
TIN, ORGANIC COMPOUNDS (AS SN) 1067-33-0		-	-	-	-		0.2

Engineering controls: Ensure good ventilation/extraction.

Eye protection: For eye protection, use tightly fitted safety goggles and a face-shield

Skin protection: Wear suitable protective clothing.
Suitable protective gloves.

Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

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: white
Translucent
Odor: Acetic acid
Specific gravity: 1.06
Flash point: > 93 °C (> 199.4 °F)
Ignition temperature 450 °C (842 °F)
Density: 1.06 g/cm3
Solubility in water: Insoluble

Section 10. Stability and reactivity

Stability: Stable under recommended storage conditions.

Conditions to avoid: Avoid excessive heat and ignition sources.
Moisture.

Incompatible materials: Strong oxidizing agents.
Polymerises in presence of water.
Reaction with strong acids.
Reaction with strong bases

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors.

Carbon monoxide.
Carbon dioxide.
Oxides of nitrogen.
At higher temperatures (>150C) may release formaldehyde (traces).

Section 11. Toxicological information

Health Effects:

Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Skin: Causes skin irritation.
Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Eyes: Causes serious eye damage.
Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Toxicity for reproduction: Toxic to reproduction, category 1B, May damage fertility or the unborn child.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Triacetoxyethylsilane 17689-77-9	LD50	1,460 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Methylsilanetriyl triacetate 4253-34-3	LD50	1,600 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Dibutyltin di(acetate) 1067-33-0	LD50	2,318 mg/kg	dermal		rabbit	not specified

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Dibutyltin di(acetate) 1067-33-0	corrosive			not specified

Section 12. Ecological information

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

Ecotoxicity: Harmful to aquatic life with long lasting effects.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Distillates, petroleum, hydrotreated middle 64742-46-7	LC50	> 10,000 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Triacetoxyethylsilane 17689-77-9	LC50	251 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Triacetoxyethylsilane 17689-77-9	EC50	62 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Triacetoxyethylsilane 17689-77-9	IC50	73 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Dibutyltin di(acetate) 1067-33-0	EC50	1.4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Dibutyltin di(acetate) 1067-33-0	EC50	0.1035 mg/l	Algae	72 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Distillates, petroleum, hydrotreated middle 64742-46-7		aerobic	30 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Triacetoxyethylsilane 17689-77-9			74 %	OECD Guideline 301 A (old version) (Ready Biodegradabiltiy: Modified AFNOR Test)
Dibutyltin di(acetate) 1067-33-0	Not readily biodegradable.	aerobic	3.2 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Triacetoxyethylsilane 17689-77-9	0.74					not specified
Dibutyltin di(acetate) 1067-33-0	0.81					not specified

Section 13. Disposal considerations

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

Disposal for uncleaned package: After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated. Disposal must be made according to official regulations.

Section 14. Transport information

Road and Rail Transport:

Dangerous Goods information: Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

General information:
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

Section 15. Regulatory information

SUSMP Poisons Schedule None

AICS: All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICS).

Section 16. Other information

Abbreviations/acronyms:

ADGC - Australian Dangerous Goods Code
IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
STEL - Short term exposure limit
TWA - Time weighted average

Reason for issue:

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

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Disclaimer:

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