

Safety Data Sheet

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Flex Seal Clear
Product Code:
Recommended Use: Liquid Rubber Sealant Coating
Supplier Details: Global Shop Direct
Address: 26-32 Pirrama Road Pyrmont NSW 2009
Phone No: (02) 8705 8862(Business Hours)

AU Emergency Contact No: 13 11 26
NZ Emergency Contact No: 0800 764 766 (24 Hours)

SECTION 2 HAZARDS IDENTIFICATION

Hazard Classification: This material is classified as Hazardous according to the criteria of Safe Work Australia.

Label Element:



GHS Classification:

Flammable aerosol	Category 1
Skin corrosion/irritation	Category 2
Skin sensitisation	Category 1
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity, single exposure	Category 3 (narcotic effects)
Specific target organ toxicity, repeated exposure	Category 2
Aspiration Hazard	Category 1
Germ cell mutagenicity	Category 1B
Reproductive toxicity (unborn child)	Category 2
Carcinogenicity	Category 1A

GHS Hazard Statement:

H222 – Extremely flammable aerosol
H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H319 – Causes serious eye irritation
H370 – May cause drowsiness or dizziness
H335 – May Cause damage to organs through prolonged or repeated exposure
H304 – May be fatal if swallowed and enters airways
H340 – May cause genetic defects

H350 – May cause cancer
H360 – Suspected of damaging the unborn child

GHS Signal word: Danger
ADG Classification: This material is classed as a Dangerous Good (Class 3 – Flammable Liquid) according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
NZ HSNO Classification: This material is classified as a Flammable aerosol 2.1.2A, Skin irritant 6.3A, Eye irritant 6.4A, Skin Sensitizer 6.5B, STOT (Single Exposure) 6.9b, Germ cell mutagenicity 6.6A, Reproductive toxicant 6.8B, Aspiration hazard 6.1E, Carcinogenicity 6.7A.
NZ Group Standard: Construction Products (Toxic[6.7a]) Group Standard 2017. HSNO Approval Number: HSR002545.

Precautionary Statement:

Prevention	P210: Keep away from heat / sparks / open flames / hot surfaces / no smoking. P211: Do not spray on an open flame or other ignition source. P251: Pressurized container: Do not pierce or burn even after use. P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe fume/vapours P264: Wash hands thoroughly after handling P270: Do not eat, drink or smoke when using this product P280: Wear protective gloves/protective clothing/eye protection/face protection P281: Use personal protective equipment as required.
Response	P301+ P310 IF SWALLOWED: Immediately call a POISONS CENTER/doctor P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P307 + P311: IF exposed: Call a POISONS CENTER or doctor/physician P308 + P313: IF exposed or concerned: Get medical advice/attention. P332+P313: If skin irritation occurs: Get medical advice/attention P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337:P313: If eye irritation persists: Get medical advice/attention P362: Take off contaminated clothing and wash before reuse.
Storage	P403 + P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up

Disposal

P410 + 412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F
P501: Dispose of contents/container in accordance with local, state, and federal regulations.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identity of Ingredients:

<i>Ingredient</i>	<i>CAS No.</i>	<i>%w/w</i>	<i>Hazard</i>
Isobutane	75-28-5	20-40%	H220
Toluene	108-88-3	20-40%	H304, H225, H336, H315, H373, H360
Acetone	64741-65-7	2.5-10%	H315, H339, H336
Parachlorobenzotrifluoride (PCBTF)	98-56-6	2.5-10%	H226, H317
Propane	74-98-6	2.5-10%	H220
Solvent Naptha (Petroleum), Light Aliphatic	64742-89-8	2.5-10%	H304, H315, H319, H372, H340, H350
Mineral Spirits	8054-41-3	0.1-1%	H350
Other Ingredients Not Determined to be hazardous to 100%			

SECTION 4 FIRST AID MEASURES

General Advice:	If poisoning occurs contact a doctor or Poisons Information Centre. Phone 131126 from anywhere in Australia or 0800 764 766 in New Zealand.
Eye:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: seek medical attention.
Skin:	Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation persists seek medical attention.
Inhalation:	Remove source of contamination and move victim to fresh air immediately. If symptoms persist, seek urgent medical attention.
Ingestion:	If swallowed do not induce vomiting. Rinse mouth with water. Seek medical attention immediately.
Acute effect:	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of nose and throat. Aspiration may cause pulmonary oedema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.
Delayed effect:	Prolonged exposure may cause chronic effects. Keep under supervision as symptoms may be delayed.
Advice to Doctor:	Consult Poisons Information Centre.

SECTION 5 FIRE FIGHTING MEASURES

Specific Methods:

Alcohol resistant foam. Water fog. Carbon dioxide (CO₂). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards:

Contents under pressure. Pressurized container may explode when exposed to heat or flame. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water.

Precautions for Fire Fighters and Special Protective Equipment:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire-fighting equipment/instructions

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

SECTION 6 ACCIDENTAL RELEASE MEASURES
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Emergency Procedures:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Remove all possible sources of ignition in the surrounding area. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal

Methods and Materials for Containment and Clean Up Procedures:

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Storage:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for Safe Handling:

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Standards:

<i>Chemical Name</i>	<i>CAS No.</i>	<i>TWA (ppm)</i>	<i>TWA (mg/ m³)</i>	<i>STEL (ppm)</i>	<i>STEL (mg/ m³)</i>
TOLUENE	108-88-3	50	191	150	574
BUTANE	106-97-8	80	1900		
WHITE SPIRITS	8052-41-3		790		
ACETONE	67-64-1	500	1185	1000	2375

Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling products.

Personal Protective Equipment:

Eye: Chemical respirator with organic vapour cartridge and full face piece.

Hands/Feet: Wear appropriate chemical resistant gloves.

Body: Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory Protection: Chemical respirator with organic vapour cartridge and full face piece.

Biological Limit Values: No Biological limit allocated.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid Aerosol

Odour: Not available.

Boiling Point: >300°C.

Solubility in water: Not available.

Specific Gravity: Typically 0.684g/m³ (estimated).

Vapour Pressure: 40 psi/g @21 °C.

Viscosity: Typically 10.5 mm²/S @ 100°C.

Flash Point: -104.4°C (propellant estimated).

Ignition temperature: >280°C.

Flammability limited – lower: 1% (estimated)

Flammability limit – upper: 7% (estimated)

SECTION 10 STABILITY AND REACTIVITY

Reactivity and Chemical Stability: Stable under normal conditions of handling, use and transportation.

Materials to Avoid: Avoid strong oxidising agents.

Conditions to avoid: Avoid temperature exceeding the flash point. Contact with incompatible materials.

Incompatible materials: Acids. Strong oxidising agents. Nitrates. Fluorine. Chlorine.

Hazardous Decomposition Products: No information available.

Hazardous Reactions: No information available.

Hazardous Polymerization: Does not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Skin Irritation: Causes skin irritation.

Eye Irritation: Causes serious eye irritation.

Acute Inhalation: May cause damaged to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.

Skin sensitisation: This product is not expected to cause skin sensitisation.

Germ cell mutagenicity: May cause genetic defects.

Carcinogenicity: May cause cancer.
Reproductive toxicity: Suspected of damaging the unborn child.
Specific targeted organ toxicity – single exposure:
May cause drowsiness and dizziness
Specific targeted organ toxicity – repeated exposure:
May cause damage to organs through prolonged or repeated exposure.
Aspiration Hazard: May be fatal if swallowed and enters airway.
Chronic effects: Prolonged exposure may cause chronic effects. May cause damage to organs through prolonged of repeated exposure.

SECTION 12 ECOLOGICAL INFORMATION

Eco Toxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and Degradability: Not available.
Mobility: Not available.
Bioaccumulation Not available.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods: Recycle or dispose of in accordance with prevailing regulations, by a recognised collector or contractor. The competence of the contractor to deal satisfactorily with this type of product should be established beforehand. Do not pollute the soil, water or environment with the waste product.

Container Disposal: Container to be disposed of as hazardous waste.

Special Requirements for Landfill or Incineration:
No special requirements for landfill or incineration.

SECTION 14 TRANSPORTATION INFORMATION

ADG

UN/ID no: UN1950
Proper shipping name: Aerosols
Hazard Class: 3
Packing Group: NA
Description: UN1950, Aerosols, 2
Marine pollutant: Not applicable
Special Provisions: Special Provisions 63, 190, 277, 327 and 344 apply. Also packaging instructions P207 and LP02 and Special Packing Provisions PP87 and L2.

SECTION 15 REGULATORY INFORMATION

Australian Inventory of Chemical Substances (AICS):

All ingredients are included on the inventory or are covered by certificates, permits or exemptions.

New Zealand Inventory of Chemicals (NZIoC):

All ingredients are included on the inventory.

SECTION 16 ADDITIONAL INFORMATION

Date of Preparation: 15 May, 2019

Version No. 2

Date of Last Revision: 24 September, 2015

Disclaimer:

Judgements as to the suitability of information herein for the purchaser's purposes are necessarily the purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information we extend no warranties, makes no representations and assumes no responsibility as to the accuracy or suitability of such information for application to the purchaser's intended purposes or for consequences of its use.

END OF MSDS