

Date of issue: 29 July 2020
Revised by: Simonne Moses - HSNO Consultant SDS No: 1

Safety Data Sheet

1588 Sprayable Seam Sealer Gray

Classified as: Hazardous according to the EPA Hazardous Substances
(Minimum Degrees of Hazard) Notice 2017.

Section 1: SUBSTANCE AND SUPPLIER DETAILS

Product Name: 1588 Sprayable Seam Sealer Gray

Supplier: RA Johnstone & Co Ltd trading as
RJP Performance Coatings
33 Ha Crescent,
Wiri, Auckland 2104
New Zealand

Phone: +64 9 25000 91

Recommended Use: Sealant

In Case of Emergency Contact:

CHEMCALL: 0800 CHEMCALL (243 622)

Section 2: HAZARDS IDENTIFICATION

Classified as a Dangerous Good for Transport.

Classified as hazardous according to criteria in the EPA Hazardous Substances (Minimum Degrees of Hazards) Notice 2017.

Classified under the group standard "Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017"

HSNO APPROVAL NUMBER: **HSR002669**

HSNO CLASSIFICATIONS: 3.1C – Flammable liquid, medium hazard
6.1E – Acutely toxic, oral
6.1E – Acutely toxic, dermal
6.3A – Skin irritant
6.4A – Eye irritant
6.7B – Suspected carcinogen
6.8B – Suspected human reproductive or developmental toxicant
6.9B – Harmful to human target organs or systems (via oral and inhalation routes)
9.1D – Slightly harmful in the aquatic environment
9.3C – Harmful to terrestrial vertebrates

GHS Classification: Flammable liquid – Category 3
Acute toxicity, oral – Category 5
Acute toxicity, dermal – Category 5
Skin corrosion/irritation – Category 2
Serious eye damage/irritation – Category 2
Carcinogenicity – Category 2
Reproductive toxicity – Category 2

Specific target organ systemic toxicity (repeated exposure) – Category 2
Aquatic toxicity, chronic - Category 4

Note: There is no equivalent GHS classification for ecotoxicity to terrestrial vertebrates.

Hazard Statements:

H226 Flammable liquid and vapour
H303 May be harmful if swallowed
H313 May be harmful in contact with skin
H315 Causes skin irritation
H319 Causes serious eye irritation
H351 Suspected of causing cancer
H361 Suspected of damaging fertility or the unborn child
H373 May cause damage to organs (kidneys, liver, lungs) through prolonged or repeated exposure, via ingestion or inhalation
H413 May cause long-lasting harmful effects to aquatic life
H433 Harmful to terrestrial vertebrates

GHS Pictograms:



WARNING

PREVENTION STATEMENTS:

P102 – Keep out of reach of children.
P103 – Read label before use.
P201 – Obtain special instructions before use.
P202 – Do not handle until all safety precautions have been read and understood.
P210 – Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 – Keep container tightly closed.
P240 – Ground/bond container and receiving equipment.
P241 – Use explosion-proof electrical/ventilating/lighting equipment.
P242 – Use only non-sparking tools.
P243 – Take precautionary measures against static discharge.
P260 – Do not breathe fumes/vapours.
P264 – Wash hands, exposed skin, thoroughly after handling.
P273 – Avoid release to the environment.
P280 – Wear protective gloves, protective clothing, eye protection, face protection.
P281 – Use personal protective equipment as required.

RESPONSE STATEMENTS:

P101 – If medical advice is needed, have product container or label at hand.
P312 – Call a POISON CENTER or doctor/physician if you feel unwell.
P370 + P378 – In case of fire: Use alcohol resistant foam or dry chemical for extinction.
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P321 – Specific treatment (See first aid instructions on this label).
P332 + P313 – IF skin irritation occurs: Get medical advice/attention.
P363 – Wash contaminated clothing before re-use.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P337 + P313 – IF eye irritation persists: Get medical advice/attention.
P308 + P313 – IF exposed or concerned: Get medical advice/attention.

STORAGE

P403 + P235 – Store in a well-ventilated place. Keep cool.
P405 – Store locked up.

DISPOSAL

P501 - In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Main Component | CAS Number | Concentration |
|--|------------|---------------|
| Xylene | 1330-20-7 | 25 - <50% |
| Titanium Dioxide | 13463-67-7 | 1-<5% |
| Naphtha (petroleum), hydrodesulfurized, heavy | 64742-82-1 | <1% |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Note: If Chemical Name/CAS No is "proprietary" or "trade secret and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret as it is commercially sensitive.

Section 4: FIRST AID MEASURES

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| Workplace Facilities Required: | Eye wash and safety shower facilities should be provided. |
| If Inhaled: | Remove to fresh air. Seek medical attention if symptoms persist. |
| In Contact with Eye: | Hold eyes open, flush with water for at least 15 minutes. Seek medical attention if irritation develops and persists. |
| In Contact with Skin: | Wash skin with plenty of water, while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. Seek medical attention if skin irritation develops and persists. |
| If Swallowed: | DO NOT INDUCE VOMITING. Rinse mouth. Give small quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration to lungs. |
| Advice to Doctor: | Treat symptomatically. |

Section 5: FIRE FIGHTING MEASURES

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| Fire/Explosion Hazard: | Product is flammable. Product may accumulate static charges. |
| Suitable Extinguishing Media: | Cool containers using water spray. Do not use water jet. Extinguish fire with alcohol resistant foam or dry powder. |
| Precautions in Connection | Combustion may produce oxides of carbon. |

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with Fire:

Advice for firefighters: Wear full firefighting gear and self-contained breathing apparatus.

Section 6: ACCIDENTAL RELEASE MEASURES

An emergency response plan is required under Part 5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017 when held in quantities greater than 10,000L.

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| Precautions: | Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area. Warn those occupants downstream of spill of fire and explosion hazard. Eliminate all sources of ignition. Avoid release to the environment. If spill does enter waterways inform the relevant authority (e.g. Local Council Pollution hotline). |
| Suitable Protective Equipment: | Emergency responders must use personal protective equipment, including gloves, protective overalls and footwear, safety goggles or face shield and respiratory protection if there is a risk of inhaling vapours. |
| Spill or Leak Procedures. | Shut off source of spill if safe to do so. Contain the spill and use absorbent material such as sand or earth to soak up spill. Use non-sparking tools to collect spill and absorbent material into a waste container. Ensure waste container is properly labelled. |
| Waste Disposal Methods: | Dispose of as per Section 13. |
| Emergency preparation: | Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release. |

Section 7: HANDLING AND STORAGE

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| Precautions for Safe Handling: | Avoid contact with skin and eyes. Do not breathe vapours. Do not eat, drink or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas. Open containers slowly to control possible pressure release. Product may accumulate static charges. Use proper grounding procedures. Keep away from ignition sources. Do not pressurise, heat, cut or weld containers. Do not re-use empty containers unless they have been commercially cleaned or reconditioned. Vapours are heavier than air. Do not enter confined spaces where vapours may have accumulated. |
| Storage: | Keep container tightly closed when not in use. Store in original container in a cool, dry, well-ventilated area. Store away from ignition sources and incompatibles (refer Section 10). Keep out of direct sunlight. |
| Site Storage Requirements: | Site Signage will be required when quantities exceed 1000L. |

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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| Workplace Exposure Standards NZ: | No Workplace Exposure Standards have been established for this product but have been established for the following constituents: Xylene – TWA 50 ppm, 217 mg/m ³ |
| Engineering Controls: | Eyewash facilities and safety showers should be provided in the work area where |

there is a risk of exposure to eyes and skin. Vapours are heavier than air and care must be taken to prevent vapour build up in hollows or sumps. If use results in exposure to fumes/vapours, use engineering controls such as local exhaust ventilation to ensure workers are not exposed to concentrations that exceed workplace exposure standards.

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| Personal Protective Equipment: | Avoid contact with the skin and eyes. Avoid inhaling fumes/vapours. |
| Hand protection: | Wear protective gloves that are resistant to the product. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves. |
| Skin and body protection: | Use protective clothing. Remove any contaminated clothing to avoid prolonged contact with the skin. Wash work clothes regularly. Refer to Australian and New Zealand Standard AS/NZS 4501 for occupational protective clothing. |
| Eye protection: | Use chemical safety glasses with side shields or chemical goggles to protect eyes. If handling large quantities also use a face shield to prevent splashes to the face. Refer to AS/NZS 1336 for suitable eye and face protection. |
| Respiratory protection: | Where there is inadequate ventilation, and use results in exposure to vapours, use a respirator fitted with solvent vapour cartridges and particulate filters. Refer to AS/NZS 1715 and AS/NZS 1716 for suitable respiratory protection. |
| Other information: | PPE selected must be impervious to the substance. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating, drinking or smoking. Handle in accordance with safe industrial hygiene practices. |

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|------------------------|--|-------------------|
| Description: | Pasty/Viscous | Colour: | Gray |
| Odour: | Characteristic | Odour Threshold: | Not determined |
| pH: | 7.0 @ 20°C | Solubility (water, 25°C): | Not soluble |
| Melting/Freezing point: | Not determined | Boiling Point: | 135°C |
| Flammability: | Flammable | Flash Point: | 24°C (Xylene) |
| LEL/UEL: | 1 / 7 | Vapour Pressure (20°C): | 6 hPa |
| Decomposition Temp: | Not determined | Auto-Ignition Temp: | Not self-igniting |
| Specific Gravity: | 1.19 g/cm ³ | Evaporation Rate (nButyl Acetate =1): | Not determined |
| Partition Coefficient: n-octanol/water | Not determined | Viscosity (Dynamic 20°C): | 160,000 mPas |
| Vapour Density: | Not determined | VOC (Organic): | 39.7% |

Section 10: STABILITY AND REACTIVITY

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| Stability: | Stable under normal cool, dry storage conditions. Protect from heat. |
| Reactivity: | Not reactive under normal conditions of use. |
| Conditions to Avoid: | Heat, sparks, open flames and other sources of ignition. Store out of direct sunlight. |

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Incompatibility: Keep away from oxidising agents, combustible products such as paper, wood, cardboard.

Hazardous Decomposition: Decomposes during combustion to form oxides of carbon.

Section 11: TOXICOLOGICAL INFORMATION

Acute Exposure

Acute Toxicity: LD50 oral > 2000 - < 5000 mg/kg
LD50 dermal > 2000 - < 5000 mg/kg
LC50 inhalation > 20 mg/L

Inhalation: Not acutely toxic by inhalation.

Ingestion: May be harmful if swallowed.

Skin Contact: May be harmful in contact with skin. Skin irritant.

Eye Contact: Eye irritant.

Sensitiser: Not expected to be a respiratory or contact sensitiser.

Chronic Exposure:

Mutagen/Carcinogen/Reproductive Toxicant Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

Specific Target Organ Systemic Toxicity: Product is harmful to human target organs or systems (kidneys, liver, lungs) on prolonged or repeated exposure via ingestion or inhalation.

Toxicity data is based on hazardous ingredient information and information in the EPA Chemical Classification and Identification Database.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: LC₅₀ >1 - <100 mg/L in the aquatic environment.

Product may be harmful to aquatic life. Product is harmful to terrestrial vertebrates. Avoid losses to the environment wherever possible.

Persistence/degradability: Expected to be readily biodegradable.

Bioaccumulation: Not bio-accumulative

Mobility: Product is not readily soluble in water.

Ecotoxicity data is based on hazardous ingredient information.

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Recycle and reuse wherever possible. Dispose of waste product via an approved waste disposal contractor.

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Disposal of Packaging: Packaging may contain product residues and should be treated as hazardous.
Dispose of packaging via an approved waste disposal contractor.

Section 14: TRANSPORT INFORMATION

Classified as a Dangerous Good for transport in accordance with NZS5433:2012, IMDG or IATA.



NZS5433:2012
UN No: 1263
Proper Shipping Name: Paint related material (contains Xylene)
Class: 3
Packing Group: III
Hazchem Code: 3Y

IMDG:
UN No: 1263
Proper Shipping Name: Paint related material (contains Xylene)
Class: 3
Packing Group: III
Marine Pollutant: No
EmS: F-E, S-E

IATA:
UN No: 1263
Proper Shipping Name: Paint related material (contains Xylene)
Class: 3
Packing Group: III

Ensure transportation methods prevent leakage from packages and collapsing loads.

Section 15: REGULATORY INFORMATION

Group Standard Allocation: Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

HSNO Approval Code: HSR002669

HSNO Classifications:

| | |
|------|---------------------------------|
| 3.1C | Flammable liquid, medium hazard |
| 6.1E | Acutely toxic, oral |
| 6.1E | Acutely toxic, dermal |
| 6.3A | Skin irritant |
| 6.4A | Eye irritant |
| 6.7B | Suspected carcinogen |

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6.8B Suspected reproductive or developmental toxicant
6.9B Harmful to human target organs or systems
9.1D Slightly harmful in the aquatic environment
9.3C Harmful to terrestrial vertebrates

This substance triggers:

| | |
|-------------------------------|--|
| Compliance Certificate | 500L (containers >5L), 1500L (containers up to 5L) |
| Certified Handler | N/A |
| Quantity that must be secured | N/A |
| Emergency Response Plan | 10,000L |
| Secondary Containment | 10,000L |
| Signage | 1,000L |
| Fire Extinguishers | 2 required for quantities > 500L |

This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

NZIOC:

All hazardous ingredients are listed in the NZ Inventory of Chemicals.

Section 16: OTHER INFORMATION

The information provided in this Safety Data Sheet relates only to the specific material designated herein. This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

This substance is approved under HSNO for use as a surface coating. All reasonable care has been taken to ensure that the information and advice contained herein are from sources believed to be reliable and to represent the most up-to-date knowledge available at the date given in Section 16. No liability is assumed for any damages related to the use or misuse of this substance.

All chemical materials may present unknown hazards as people have varying degrees of sensitivity to chemicals. Therefore, this product should be used with caution. The information herein is given in good faith, but no warranty, express or implied is made.

SDS Issued: 29/7/20

Reason for Revision: Update to New Zealand regulatory requirements.

Note: This SDS has been derived from an American SDS which is compliant with US regulatory requirements.

References:

EPA NZ Chemical Classification and Information Database

EPA Guide: Assigning a Hazardous Substance to a Group Standard, 2014

Supplier SDS: International Epoxies and Sealers, 1588 Sprayable Seam Sealer Gray SDS, September 2014

END OF SAFETY DATA SHEET