

# RectorSeal No. 5 Safety Data Sheet

LEADING WITH KNOWLEDGE

# 1. Identification of Substance & Company

Product

Product name RectorSeal No. 5
HSNO approval HSR002657

Approval description Surface Coatings and Colourants (Combustible) Group Standard 2017

UN number NA
DG class NA
Proper Shipping Name NA
Packaging group NA

Hazchem code 1T (recommended)
Uses Pipe thread sealant

**Company Details** 

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Albany,

North Shore City 0632

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# National Poison Centre NZ (24 hours): 0800 POISON [764 766]

# 2. Hazard Identification

#### **Approva**l

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR002657, Surface Coatings and Colourants (Combustible) Group Standard 2017). The substance has been classified as hazardous according to the criteria in the Hazardous substances (Minimum Degrees of Hazard) Notice 2017.

#### Classes Hazard Statements

3.1D
6.3B
6.4A
H227 - Combustible liquid.
H316 - Causes mild skin irritation.
H320 - Causes eye irritation.

### **SYMBOLS**

# WARNING





#### Other Classifications

There are no other Classifications that are known to apply.

### **Precautionary Statements**

P103 - Read label before use.

P210 - Keep away from flames and hot surfaces\*. No smoking.

P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/eye protection.

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.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulation.

# 3. Composition / Information on Ingredients

Component	CAS/ Identification	Conc (%)
Diacetone alcohol	123-42-2	20-30%
non hazardous ingredients	proprietary	balance

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.



Safety Data Sheet

# 4. First Aid

### **General Information**

If medical advice is needed, have product container or label at hand. You should call the National Poisons Centre if you feel that you may have been harmed, burned or irritated by this product. The number is 0800 764 766 (0800 POISON) (24 hr emergency service).

Recommended first aid

facilities

Ready access to running water is recommended. Accessible eyewash is recommended.

Exposure

Swallowed Do NOT induce vomiting. Give a glass of water to drink. Contact a doctor if showing

symptoms.

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Apply continuous irrigation with water for at least 15 minutes

holding eyelids apart. If eye irritation persists: Get medical advice.

Skin contact IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: get medical

advice/attention. Take off contaminated clothing and wash before re-use.

Inhaled Generally, inhalation of fumes is unlikely to result in adverse health effects. If coughing,

dizziness or shortness of breath is experienced, remove the patient to fresh air immediately. If patient is unconscious, place in the recovery position (on the side) for

transport and contact a doctor.

**Advice to Doctor** 

Treat symptomatically

# Firefighting Measures

Fire and explosion hazards: This product is combustible. This product has the potential to cause fire or to create an

additional hazard during fire

Suitable extinguishing

substances:

Carbon dioxide, extinguishing powder, foam, fog sprays, water jets.

Unsuitable extinguishing

substances:

Unknown.

Products of combustion: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water.

May form toxic mixtures in air and may accumulate in sumps, pits and other low-lying

spaces, forming potentially explosive mixtures.

**Protective equipment:** Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat

and eye protection.

Hazchem code: 1T (recommended)

# **Accidental Release Measures**

Containment If greater than 10000L is stored, secondary containment and emergency plans to

manage any potential spills must be in place. In all cases design storage to prevent

discharge to stormwater.

In the event of spillage alert the fire brigade to location and give brief description of **Emergency procedures** 

> hazard. Stop the source of the leak, if safe to do so. Shut off all possible sources of ignition. Wear protective equipment to prevent skin, eye and respiratory exposure. Clear area of any unprotected personnel. Contain using sand, earth or vermiculite. Do not use sawdust. Prevent by whatever means possible any spillage from entering drains, sewers,

or water courses. (If this occurs contact your regional council immediately).

Clean-up method Use absorbent (soil, sand or other inert material). Rags are not recommended for the

clean-up of spills, as they may create fire or environmental hazard. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or

waterways has occurred advise local emergency services.

**Disposal** Mop up and collect recoverable material into labelled containers for recycling or salvage.

Recycle containers wherever possible. This material may be suitable for approved

landfill. Dispose of only in accord with all regulations.

**Precautions** Wear protective equipment to prevent skin and eye contamination and the inhalation of

vapours. Work up wind or increase ventilation.

# Storage & Handling

Storage Avoid storage of harmful substances with food. Store out of reach of children.

Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames. Avoid contact with incompatible substances as listed in

Product Name: RectorSeal No. 5

Section 10.

Handling Keep exposure to a minimum, and minimise the quantities kept in work areas. See

section 8 with regard to personal protective equipment requirements.



Product Name: RectorSeal No. 5

Safety Data Sheet

# 8. Exposure Controls / Personal Protective Equipment

# Workplace Exposure Standards

A workplace exposure standard (WES) has not been established by WorkSafe NZ for this product. There is a general limit of 3mg/m³ for respirable particulates and 10mg/m³ for inhalable particulates when limits have not otherwise been established.

NZ Workplace Ingredient WES-TWA WES-STEL biacetone alcohol 50ppm, 238mg/m³ data unavailable

# **Engineering Controls**

In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far below the WES as practicable by applying the hierarchy of control required by the Health and Safety at Work Act (2015) and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.

# Personal Protective Equipment

**Eyes** 



Avoid contact with eyes. Use safety glasses and or chemical splash goggles if splashes are possible.

Skin



If discomfort is felt (e.g., if pre-existing conditions exist, such as dermatitis, cuts or sensitive skin), gloves may be helpful. If you suffer from dermatitis type skin conditions, use gloves. Nitrile or butyl rubber gloves are recommended. Replace frequently. Gloves should be checked for tears or holes before use.

Respiratory

A respirator when airborne concentrations approach the WES (section 8). Use a 'respirator with an organic vapour cartridge and a dust/mist filter. If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order.

## **WES Additional Information**

Not applicable

# 9. Physical & Chemical Properties

Appearance yellow paste
Odour mild odour
pH no data

Vapour pressure 0.3mmHg at 20°C

Viscosity no data

**Boiling point** 161°C at 760mmHg

Volatile materials 317g/L Freezing / melting point no data Solubility 23% in water

Specific gravity / density 1.38

Flash point 65°C (SETA CC)

Danger of explosion not explosive

Auto-ignition temperature no data

Upper & lower flammable limits

Corrosiveness non corrosive

# 10. Stability & Reactivity

Stability Stable

Conditions to be avoided Flammable substance. Keep away from sources of ignition at all times. Containers should

gaseous oxygen, strong oxidising substances, molten alkali metals.

be kept closed in order to avoid contamination.

Incompatible groups
Substance Specific
Incompatibility

none known

Hazardous decomposition

oxides of carbon

products

**Hazardous reactions** 

none known



Safety Data Sheet

# 11. Toxicological Information

# Summary

IF SWALLOWED: if large quantities are ingested, nausea, vomiting, CNS depression, irritation of the gastrointestinal tract.

IF IN EYES: may cause irritation of the eyes, including watering, blurred vision.

IF ON SKIN: may cause irritation.

IF INHALED: vapours may cause irritation of the respiratory tract and similar symptoms as if swallowed.

**Supporting Data** 

Acute Oral Using LD<sub>50</sub>'s for ingredients, the calculated LD<sub>50</sub> (oral, rat) for the mixture is >5,000

mg/kg. Data considered includes: Diacetone alcohol 3950mg/kg (mouse)

**Dermal** No evidence of dermal toxicity.

InhaledNo evidence of acute inhalation toxicity.EyeThe mixture is considered to be an eye irritant.SkinThe mixture is considered to be a mild skin irritant.

 $\begin{tabular}{ll} \textbf{Chronic} & \textbf{Sensitisation} & \textbf{No ingredient present at concentrations} > 0.1\% is considered a sensitizer. \end{tabular}$ 

MutagenicityNo ingredient present at concentrations > 0.1% is considered a mutagen.CarcinogenicityNo ingredient present at concentrations > 0.1% is considered a carcinogen.Reproductive /No ingredient present at concentrations > 0.1% is considered a reproductive or

**Developmental** developmental toxicant or have any effects on or via lactation.

**Systemic** No ingredient present at concentrations > 1% is considered a target organ toxicant.

**Aggravation of** None known.

12. Ecological Data

Summary

This mixture is not considered to be ecotoxic, however do not allow it to enter waterways.

**Supporting Data** 

Aquatic No evidence of ecotoxicity towards aquatic organisms.

Bioaccumulation No data
Degradability No data

existing conditions

**Soil** No evidence of ecotoxicity in the soil environment.

**Terrestrial vertebrate**This mixture is not considered toxic towards terrestrial vertebrates. See acute toxicity.

**Terrestrial invertebrate** No evidence of ecotoxicity towards terrestrial invertebrates.

**Biocidal** no data

**Environmental effect levels** No EELs are available for this mixture or ingredients

13. Disposal Considerations

**Restrictions**There are no product-specific restrictions, however, local council and resource consent

conditions may apply, including requirements of trade waste consents.

**Disposal method**Disposal of this product must comply with the Hazardous Substances (Disposal) Notice

2017 and the requirements of the Resource Management Act for which approval should be sought from the Regional Authority. The substance must be treated and therefore

rendered non-hazardous before discharge to the environment.

**Contaminated packaging**Disposal of contaminated packaging must comply with the Hazardous Substances

(Disposal) Notice 2017 clause 12. Ensure that the package is rendered incapable of containing any substance and is disposed in a manner that is consistent with the requirements of the substance it contained and the material of the package. If possible

reuse or recycle packaging.

14. Transport Information

Land Transport Rule: Dangerous Goods 2005 - NZS 5433:2007

There are no specific restrictions for this product (not a dangerous good).

UN number: NA Proper shipping name: Not regulated

Class(es) NA Packing group: NA Precautions: NA Hazchem code: NA

**IMDG** 

UN number: NA Proper shipping name: Not regulated

Class(es) NA Packing group: NA Precautions: NA EmS NA

Page 4 of 6 July 2020

Product Name: RectorSeal No. 5



# RectorSeal No. 5 **Safety Data Sheet**

IATA

**UN number:** NA Proper shipping name: Not regulated

Packing group: Class(es) NA NA **Precautions:** NA **ERG Guide** NA

# **Regulatory Information**

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO). Approval code: HSR002657, Surface Coatings and Colourants (Combustible) Group Standard 2017.

All ingredients appear on the New Zealand Inventory of chemicals (NZIoC)

# Specific Workplace Controls (as per HSNO approval referenced to Controls Matrix)

Key workplace requirements are:

SDS To be available within 10 minutes in workplaces storing any quantity.

An inventory of all hazardous substances must be prepared and maintained. Inventory Packaging All hazardous substances should be appropriately packaged including substances

that have been decanted, transferred or manufactured for own use or have been

supplied

Labelling Must comply with the Hazardous Substances (Labelling) Notice 2017.

Required if > 10000L is stored. Emergency plan

Certified handler Not required. Tracking Not required.

Bunding & secondary containment Required if > 10000L is stored. Required if > 10000L is stored. Signage

Location compliance certificate Not required. Flammable zone Not required. Fire extinguisher If > 500L present.

Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a

location will depend on the classification and total quantities of other substances present in that location.

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. local Council Rules and Regional Council Plans.

# 16. Other Information

## **Abbreviations**

Approval HSR002657, Surface Coatings and Colourants (Combustible) Group Standard **Approval Code** 

2017 Controls, EPA. www.epa.govt.nz

**CAS Number** Unique Chemical Abstracts Service Registry Number

**EC**<sub>50</sub> Ecotoxic Concentration 50% - concentration in water which is fatal to 50% of a test

population (e.g. daphnia, fish species)

Environmental Protection Authority (New Zealand)

**HAZCHEM Code** Emergency action code of numbers and letters that provide information to emergency

services, especially fire fighters

**HSNO** Hazardous Substances and New Organisms (Act and Regulations)

**IARC** International Agency for Research on Cancer

LEL Lower Explosive Limit

LD<sub>50</sub> Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).

LC<sub>50</sub> Lethal Concentration 50% - concentration in air which is fatal to 50% of a test population

(usually rats)

New Zealand Inventory of Chemicals NZIoC

MSDS (SDS) Material Safety Data Sheet (or Safety Data Sheet)

Short Term Exposure Limit - The maximum airborne concentration of a chemical or STEL

biological agent to which a worker may be exposed in any 15 minute period, provided the

TWA is not exceeded

**TWA** Time Weighted Average – generally referred to WES averaged over typical work day

(usually 8 hours)

**UEL** Upper Explosive Limit **UN Number United Nations Number** 

Page 5 of 6 July 2020

Product Name: RectorSeal No. 5



Product Name: RectorSeal No. 5

Safety Data Sheet

**WES** Workplace Exposure Standard - The airborne concentration of a biological or chemical

agent to which a worker may be exposed during work hours (usually 8 hours, 5 days a week). The WES relates to exposure that has been measured by personal monitoring

using procedures that gather air samples in the worker's breathing zone.

References

Unless otherwise stated comes from the EPA HSNO chemical classification information Data

database (CCID).

EPA notices, www.epa.govt.nz, Health and Safety at Work (Hazardous Substances) Controls

Regulations 2017, www.legislation.govt.nz

**WES** The latest NZ Workplace Exposure Standards, published by WorkSafe NZ and available

on their web site - www.worksafe.govt.nz.

Other References: EU ECHA, ingredients SDS's, ChemIDplus

Review

**Date** Reason for review August 2015 Not applicable - new SDS

5 yearly update. Hazard and Precautionary phrase numbers, HSE to HSAW, MBIE to July 2020 Worksafe, review of toxicological section. Group standard, section 13, 14 and 15.

This SDS was prepared by Datachem LTD and is based on our current state of knowledge, including information obtained from suppliers. The SDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the SDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely HSNO classifications for this SDS have been estimated based on general information from the supplier (e.g., hazard, toxicological). This SDS is copyright Datachem and must not be copied, edited or used for other than intended purpose. To contact the SDS author, email info@datachem.co.nz or phone: +64 9 940 30 80.

