FlameSEAL Water Based Primer
Safety Data Sheet

Date: June 2021

SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product:

Product Name: FlameSEAL Water Based Primer
Other Names: N/A
Product Code: FSPWB
HSNO Approval: Non-hazardous

Uses: Bituminous water-based primer

Company Details:

Company: Sealco Limited
Address: Unit 5, 18 Taurus Pl, Bromley, Christchurch

Telephone: 03 366 9495, 0508 292 837
Website: www.sealco.co.nz

Emergency Number:

National Poisons Centre
0800 764 766

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance:
This product is not classified as hazardous according to the criteria of the Hazardous Substances (Hazard Classification) Notice 2020.

Hazard Statements:
Contains a biocide product: 1,2-benzisothiazol-3 (2H) -one, Tetramethylol acetylene diurea.
May produce an allergic reaction.

VOC (Directive 2004/42/EC):
Binding primers.
VOC given in g/litre of product in a ready-to-use condition: <0.50
Limit Value: 30.00

Symbols – None

SECTION 3 – INFORMATION ON INGREDIENTS

CAS / Identification	Component	Conc (%)
5395-50-6	Tetramethylol acetylene diurea	0.001 ≤ x < 0.04
2634-33-5	1,2-Benzisothiazol-3 (2H) -one	0.001 ≤ x < 0.04

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions set forth in Directives 67/548/EEC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

SECTION 4 – FIRST AID MEASURES

Description of Necessary Measures:
Not specifically necessary. Observance of good industrial hygiene is recommended.

No harm to the staff authorized to use has been reported. However, in case of contact, inhalation or ingestion, the following general measures provided for a first aid shall be taken.

Inhalation – remove to open air.
Skin - wash with plenty of water; seek medical advice if irritation persists.
Eyes - wash with plenty of water; seek medical advice if irritation persists.
Ingestion - seek medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

Indication of any immediate medical attention and special treatment needed.
Information not available.
Most Important Symptoms and Effects – Both acute and delayed.
Specific information on symptoms and effects caused by the product are unknown.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media:

Extinguishing Media Suitable Extinguishing Media
Use carbon dioxide, regular dry chemical, regular foam, or water spray.
Unsuitable Extinguishing Media
None in particular.
Special Hazards Arising by Exposure in Event of Fire
Do not breathe combustion products.
Firefighting Measures
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
Special Protective Equipment and Precautions for Firefighters
Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.
Methods and Materials for Containment and Cleaning Up
Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.
Environmental Precautions
The product must not penetrate the sewer system or come into contact with surface water or ground water. Avoid release to the environment. Collect spillage.

SECTION 7 – HANDLING & STORAGE

Precautions for Safe Handling
Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.
Wear protective gloves and clothing.

Conditions for Safe Storage, Including any Incompatibilities
Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.
Keep containers closed, away from frost and heat.

Specific end use(s)
Information not available

SECTION 8 – EXPOSURE CONTROL & PERSONAL PROTECTION

NZ 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 set.

NZ Workplace Exposure Standards

Ingredient	WES-TWA	WES-STEL
Bitumen	5mg/m³	Not available

Exposure Controls:
Comply with the safety measures usually applied when handling chemical substances.

Personal Protective Equipment:

Eyes Protection: None required.
Skin Protection: None required.
Gloves: Reccommended:
Respiratory Protection: An approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance	Brown liquid	**Physical State**	Liquid
Odour	Mild	**Colour**	Brown
Odour Threshold	Not available	**pH**	8-10
Melting Point	Not available	**Boiling Point**	> 65°C
Freezing Point	Not available	**Evaporation Rate**	1
Boiling Point Range	Not available	**Flammability (solid, gas)**	Not available
Auto-ignition	Not available	**Flash Point**	Not available
Lower Explosive Limit	Not available	**Decomposition**	Not available
Upper Explosive Limit	Not available	**Vapor Pressure**	Not available
Vapor Density (air=1)	Not available	**Specific Gravity (water=1)**	Not available
Solubility	Miscible	**Partition coefficient: n-octanol/water**	Not available
Viscosity	Not available	**Solubility (Other)**	Not available
Relative Density	0.95 – 1.10	**VOC**	< 0.50 g/litre

SECTION 10 – STABILITY & REACTIVITY

Reactivity	There are no particular risks of reaction with other substances in normal conditions of use.
Chemical Stability	The product is stable in normal conditions of use and storage.
Possibility of Hazardous Reactions	No hazardous reactions are foreseeable in normal conditions of use and storage.
Conditions to Avoid	None in particular. However, the usual precautions used for chemical products should be respected.
Incompatible Materials	Information not available.
Hazardous decomposition products	Information not available.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on toxicological Effects
Because of lack of experimental toxicological data on the product, possible dangers for health are evaluated in function of the substances contained, according to the current regulations. The concentration of the dangerous substances quoted in sec.3 is considered to evaluate possible toxicological effects due to product exposure.
Metabolism, toxicokinetic, mechanism of action and other information
Information not available

Information on Likely Routes of Exposure
Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available
Interactive effects
Information not available

Acute and Chronic Toxicity Component Analysis - LD50/LC50
The components of this material have been reviewed in various sources and the following selected endpoints are published:
Solvent naphtha, petroleum, light aliphatic (64742-89-8) Oral LD50 Mouse 5000 mg/kg
Dermal LD50 Rabbit 3000 mg/kg

Product Toxicity Data
Product Analysis LD/LC 50 Toxicity Values

Oral LD50	Not classified (no significant component)
Dermal LD 50	Not classified (no significant component)
Inhalation LC50	Not classified (no significant component)

1,2-Benzisothiazol-3 (2H) -one	
LD50 (Oral)	> 1150 mg/kg rat
LD50 (Dermal)	> 2000 mg/kg rat
Tetramethylol acetylene diurea	
Oral LD50	> 2000 mg/kg rat
Dermal LD 50	> 2000 mg/kg rat
Inhalation LC50	> 5 mg/l/4h rat

Skin Corrosion - Does not meet the classification criteria for this hazard class
Serious Eye Damage / Irritation - Does not meet the classification criteria for this hazard class
Respiratory or Skin Sensitisation - May produce an allergic reaction. Contains 1,2-benzisothiazol-3 (2H) -one, Tetramethylol acetylene diurea
Germ Cell Mutagenicity - Does not meet the classification criteria for this hazard class
Carcinogenicity - Does not meet the classification criteria for this hazard class
Reproductive Toxicity - Does not meet the classification criteria for this hazard class
STOT – Single Exposure - Does not meet the classification criteria for this hazard class
Aspiration Hazard - Does not meet the classification criteria for this hazard class

SECTION 12 – ECOLOGICAL INFORMATION

1,2-Benzisothiazol-3 (2H) -one	
Algae / Aquatic Plants	**EC50 –** 0.37 mg/l/72h
Crustacea	**EC50 –** 3.7 mg/l/48h Dafnie
Tetramethylol acetylene diurea	
Algae / Aquatic Plants	**EC50 –** 8.5 mg/l/72h Desmodesmus subspicatus
Crustacea	**EC50 –** 38.9 mg/l/48h Daphnia magna)
Fish	**LC50 –** 17.6 mg/l/96h Brachydanio rerio
Chronic NOEC for Algae / Aquatic Plants	3.93 mg/l Algae-72h
Chronic NOEC for Crustacea	11.2 mg/l Daphnia magna-21d

Persistence and degradability - Information not available
Bio-accumulative potential - Information not available
Mobility in soil - Information not available
Results of PBT and vPvB assessment - Based on available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%
Other adverse effects - Information not available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods:
Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14 – TRANSPORT INFORMATION

Land Transport Rule: Dangerous Goods 2005 – NZS5433:2007 – There are no specific restrictions for this product (Not a Dangerous Good).

Shipping Name:	Not applicable	**Packing Group:**	Not applicable
UN #	Not applicable	**HAZCHEM Code**	Not applicable
Hazard Class:	Not applicable	**Precautions:**	Not applicable

SECTION 15 – REGULATORY INFORMATION

This product is not classified as Hazardous according to the criteria of the Hazardous Substances (Hazard Classification) Notice 2020.

Specific Workplace Controls (as per HSNO approval referenced to Controls Matrix)
Key Workplace requirement are:

SDS	Not required
Inventory	An inventory of all hazardous substances must be prepared and maintained
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
Emergency Plan	Not required
Certified Handler	Not required
Tracking	Not required
Bunding & Secondary Containment	Not required
Signage	Not required
Location Compliance Certificate	Not required
Flammable Zone	Not required
Fire Extinguisher	Not required

Section 16 – OTHER INFORMATION

Abbreviations:

CAS Number	Unique Chemical Abstracts Service Registry Number
Controls Matrix	List of default controls linking regulation numbers to Matrix code
EC50	Ecotoxic Concentration 50% - concentration in water which is fatal to 50% of a test population (eg. Daphnia, fish species)
EPA	Environmental Protection Authority
HAZCHEM Code	Emergency action code of numbers and letters that provide information to emergency services, especially firefighters
HSNO	Hazardous Substances and New Organisms (Act & Regulations)
IARC	International Agency for Research on Cancer
LEL	Lower Explosive Limit
LD50	Lethal Dose 50% - dose which is fatal to 50% of a test population (usually rats)
LC50	Lethal Concentration 50% - concentration in air which is fatal to 50% of a test population (usually rats)
MSDS (SDS)	Material Safety Data Sheet (Safety Data Sheet)
NZIoC	New Zealand Inventory of Chemicals
PES	Prescribes Exposure Standard means a WES or a biological exposure standard that is prescribed in a regulation, a safe work instrument or an approval under HSNO
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 per day, 5 days per week) The WES relates to exposure that has been measured by personal monitoring using procedures that gather air samples in the workers breathing zone

Review

Date	Reason for Review
June 2021	Not applicable – New SDS
June 2025	5 Year review

Disclaimer:
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