Weathered Membrane Cleaner

Safety Data Sheet

Date: July 2021

SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product:

Product Name:	Weathered Membrane Cleaner
Other Names:	N/A
Product Code:	WMC
HSNO Approval:	HSR002528
Approval Description:	Cleaning Products (Flammable) Group Standard 2017
UN Number:	UN1263
Proper Shipping Name:	PAINT RELATED MATERIAL
DG Class:	3
Packing Group:	II
Hazchem Code:	3YE
Uses:	Cleaner

Company Details:

Company:	Sealco Limited
Address:	Unit 5, 18 Taurus Place, Bromley, Christchurch PO Box 35-190, Shirley, 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

Approval:

This product has been approved under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR002528, Cleaning Products (Flammable) 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:
3.1B	**H225** - Highly flammable liquid & vapour
6.1E (Aspiration)	**H304** - May be fatal if swallowed and enters airways
6.3B	**H316** - Causes mild skin irritation
6.9B	**H373** - May cause damage to organs through prolonged or repeated exposure
6.9B (Narcotic)	**H336** - May cause drowsiness or dizziness
9.1B	**H411** - Toxic to aquatic life with long lasting effects

DANGER Symbols

Other Classifications:
There are no other classifications that are known to apply

Precautionary Statements:
P102 - Keep out of reach of children
P103 - Read label before use
P210 - Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P264 - Wash hands thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P273 - Avoid release to the environment
P280 - Wear protective gloves / eye protection / face protection
P332+P313 - If skin irritation occurs, Get medical advice / attention
P301+P310 - If SWALLOWED. Immediately call a POISIN CENTRE or doctor
P331 - Do NOT induce vomiting
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313+P337 - If eye irritation persists seek medical advice / attention
P304+P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
P391 - Collect spillage
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local regulations.

SECTION 3 – INFORMATION ON INGREDIENTS

CAS / Identification	Component	Conc (%)
64742-89-8	Solvent naphtha, petroleum, light aliphatic	10-30
Mixture	Ingredients not contributing to HSNO	balance

SECTION 4 – FIRST AID MEASURES

Description of Necessary Measures:
If exposed or concerned: Call a POISON CENTER 0800 764 766 or doctor/physician. Have the product container or label at hand.

Inhalation
Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
Skin
Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Eyes
Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice/attention.
Ingestion
Aspiration hazard. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. If swallowed, get medical attention.
Indication of any immediate medical attention and special treatment needed
Treat symptomatically and supportively.
Most Important Symptoms/Effects Acute
May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness.
Delayed
Lung damage, brain damage, kidney damage, nervous system damage

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media:

Extinguishing Media Suitable Extinguishing Media
Use carbon dioxide, regular dry chemical, regular foam, or water.
Unsuitable Extinguishing Media
Do not use high-pressure water streams.
Special Hazards Arising from the Chemical
Highly flammable liquid and vapor. Vapours are heavier than air and may flashback.
Hazardous Combustion Products
Toxic gases: carbon monoxide, carbon dioxide.
Firefighting Measures
Move container from fire area if it can be done without risk. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with water from unmanned hose holder or monitor nozzles until well after fire is out. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. ALWAYS stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn.
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
Wear personal protective clothing and equipment, see Section 8.
Methods and Materials for Containment and Cleaning Up
Remove all sources of ignition. Avoid breathing vapours. Wear self-contained breathing apparatus and protective clothing. Use non-sparking tools and equipment. Flammable liquid: Fire or projection hazard. Vapor-suppressing foam may be used to control vapours. Eliminate all sources of ignition. All equipment used when handling the product must be grounded. Stop leak if possible, without personal risk. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements, or confined areas. Dike for later disposal. Use non-sparking tools. Large spills: Keep unnecessary people away, isolate

hazard area and deny entry. Prevent entry into waterways, sewers, basements, or confined areas. Dike for later disposal. Use water spray jet to minimize or disperse vapours. Runoff may create fire or explosion hazard. Absorb with earth, sand or other non-combustible material and transfer to container. Dispose in accordance with all applicable federal, regional, and local laws and regulations.

Environmental Precautions

Avoid release to the environment. Collect spillage.

SECTION 7 – HANDLING & STORAGE

Precautions for Safe Handling

Highly flammable liquid and vapor. Keep container tightly closed. Keep away from heat/sparks/open flame/hot surfaces - No smoking. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/face protection. Keep away from incompatible materials. Do not breathe vapor. Use only with adequate ventilation. Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke when using this product. Do not ingest.

KEEP OUT OF REACH OF CHILDREN.

Conditions for Safe Storage, Including any Incompatibilities Store in a well-ventilated place. Keep container tightly closed Keep cool

Store locked up

Store in accordance with all current regulations and standards. Store in a cool dry place. Keep away from sources of ignition. Ground/Bond container and receiving equipment. Keep away from incompatible materials.

Incompatible Materials

Strong acids, alkalis, oxidizing agents, chlorine, oxygen

SECTION 8 – EXPOSURE CONTROL & PERSONAL PROTECTION

Workplace Exposure Standards:

A workplace exposure standard 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 Exposure Standards

Ingredient	CAS	WES-TWA	WES-STEL
Solvent naphtha, petroleum, light aliphatic	64742-89-8	Not available	Not available

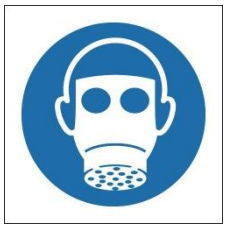
*These workplace exposure standards are also Prescribed Exposure Standards (PES) under the Health & Safety at Work (General Risk and Workplace Management) Regulations 2016.

Engineering Controls:

In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far as below the WES as practicable. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at their source, or other methods. If you believe air borne concentrations of mist, dust or vapours are high, you are advised to modify processes or increase ventilation.

Personal Protective Equipment:





Eyes: Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin Protection: Wear appropriate chemical resistant clothing and chemical resistant gloves.
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	Clear liquid	**Physical State**	Liquid
Odour	Hydrocarbon	**Colour**	Clear
Odour Threshold	Not available	**pH**	Not available
Melting Point	Not available	**Boiling Point**	118-150°C
Freezing Point	Not available	**Evaporation Rate**	1
Boiling Point Range	Not available	**Flammability (solid, gas)**	Not available
Auto-ignition	320 °C (608 °F)	**Flash Point**	18 °C (64.4 °F)
Lower Explosive Limit	0.9	**Decomposition**	Not available
Upper Explosive Limit	7	**Vapor Pressure**	11.5 mmHg
Vapor Density (air=1)	4	**Specific Gravity (water=1)**	Not available
Water Solubility	Negligible	**Partition coefficient: n-octanol/water**	Not available
Viscosity	Not available	**Solubility (Other)**	Not available
Density	0.74 – 0.76	**VOC**	100%

SECTION 10 – STABILITY & REACTIVITY

Reactivity	No reactivity hazard is expected.
Chemical Stability	Stable under normal conditions of use.
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Avoid heat, flames, sparks, and other sources of ignition. No smoking. Avoid contact with incompatible materials.
Incompatible Materials	Strong acids, alkalis, oxidizing agents, chlorine, oxygen.
Hazardous decomposition products	Releases toxic gases: carbon monoxide, carbon dioxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure Inhalation - May cause drowsiness or dizziness.
Skin Contact - Causes skin irritation.
Eye Contact - May cause eye irritation.
Ingestion - May cause irritation of the mouth and throat. May cause central nervous system depression. Aspiration Hazard. May be fatal if swallowed and enters airways.

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	Rat >2000 ring/kg LD50
Dermal LD 50	Rat 2000 mg/kg
Inhalation LC50	Rat >5000 ppm 1 hour LD50

Immediate Effects - Causes skin irritation. May cause drowsiness or dizziness.
Delayed Effects - Lung damage, brain damage, kidney damage, liver damage, nervous system damage

Irritation/Corrosivity Data - Causes skin irritation.
Respiratory Sensitization - No information available for the product.
Dermal Sensitization - No information available for the product.
Component Carcinogenicity - None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA
Germ Cell Mutagenicity - No information available for the product.
Tumorigenic Data - No data available
Reproductive Toxicity - No information available for the product.

Specific Target Organ Toxicity - Single Exposure - Central nervous system
Specific Target Organ Toxicity - Repeated Exposure - Lungs, brain, kidneys, liver, nervous system
Aspiration hazard - Aspiration Hazard. May be fatal if swallowed and enters airways.
Medical Conditions Aggravated by Exposure - Skin disorders, respiratory disorders, liver disorders, kidney disorders, central nervous system disorders.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Avoid release to the environment.

Solvent naphtha, petroleum, light aliphatic	64742-89-8
Algae	EC50 72 h Pseudokirchneriella subcapitata 4700 mg/L IUCLID

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Methods - Dispose of contents/container in accordance with local/regional/national/international regulations. Subject to disposal regulations. U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D001.

Component Waste Numbers - The U.S. EPA has not published waste numbers for this product's components.

SECTION 14 – TRANSPORT INFORMATION

Land Transport Rule: Hazardous Goods 2005 – NZS 5433:2007
Transport according to NZS 5433 (Transport of Hazardous Substances on Land). Considered a dangerous good for transport.

Shipping Name:	PAINT RELATED MATERIAL
UN #	UN1263
Hazard Class:	3
Packing Group:	II
HAZCHEM Code	3YE
Precautions:	Flammable Liquid Ecotoxic

SECTION 15 – REGULATORY INFORMATION

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR00269, Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017).

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

SDS	To be available in 10 minutes any workplace storing any quantity
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	Required if > 1000L is stored
Certified Handler	Required if > not required is handled or stored
Tracking	Required to be tracked if > not required is present
Bunding & Secondary Containment	Required if > 1000L is stored
Signage	Required if > 250 L is stored in one location
Location Compliance Certificate	Required if > 100L (containers > 5L), 250 L (≤5L containers) 50L (in use) is stored in any one location
Flammable Zone	Must be established if > 100L (closed containers), 25L (decanting), 5L (open occasionally), 1L (in use) is stored in any one location
Fire Extinguisher	If > 250L is present

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)
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 .
STEL	Short Term Exposure Limit – The maximum airborne concentration of a chemical or 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 workday (usually 8 hours)
UEL	Upper Explosive Limit
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	Version
June 201	Not applicable – New SDS	1

Disclaimer:
This SDS was prepared by Sealco Ltd and is based on our current knowledge, including information obtained by suppliers. This product may be formulated in part with components purchased from other companies. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. 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 and how the substance is used. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.