# Sikagard P 770 PTA Formerly MSeal P 770 PTA



Version 2.0

Revision Date: 02/25/2021

SDS Number: 000000764511

Date of last issue: 12/15/2020 Date of first issue: 12/15/2020

#### **SECTION 1. IDENTIFICATION**

Product name : Sikagard P 770 PTA Formerly MSeal P 770 PTA

Product code : 00000000050544608

Manufacturer or supplier's details

Company name of supplier : Sika MBCC US LLC

Address : 201 POLITO AVE

Lyndhurst NJ 07071

Emergency telephone : ChemTel: +1-813-248-0585

Recommended use of the chemical and restrictions on use

Recommended use : Functional surface coating

Restrictions on use : Reserved for industrial and professional use.

#### **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with 29 CFR 1910.1200

Skin corrosion/irritation : Category 2

Serious eye damage/eye

irritation

Category 1

**GHS** label elements

Hazard pictograms :

E E

Signal Word : Danger

Hazard Statements : H318 Causes serious eye damage.

H315 Causes skin irritation.

Precautionary Statements : Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.

P264 Wash face, hands and any exposed skin thoroughly after

handling.

Response:

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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P310 Immediately call a POISON CENTER/ doctor/ P302 + P352 IF ON SKIN: Wash with plenty of water.

P362 + P364 Take off contaminated clothing and wash it before

reuse.

#### Other hazards

None known.

#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : polymers

calcium salts in water

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Calcium dihydroxide	1305-62-0	>= 20 - < 30
glycerol	56-81-5	>= 10 - < 20
talc	14807-96-6	>= 5 - < 10
Poly(oxy-1,2-ethanediyl), .alpha tridecylomegahydroxy-, branched	69011-36-5	>= 1 - < 5
Naphtha (petroleum), heavy alkylate	64741-65-7	>= 1 - < 5
Silicon dioxide	7631-86-9	>= 0.1 - < 1

Actual concentration is withheld as a trade secret

## **SECTION 4. FIRST AID MEASURES**

General advice : First aid personnel should pay attention to their own safety.

Immediately remove contaminated clothing.

If inhaled : Keep patient calm, remove to fresh air.

If symptoms persist, seek medical advice.

In case of skin contact : After contact with skin, wash immediately with plenty of water

and soap.

Under no circumstances should organic solvent be used.

If irritation develops, seek medical attention.

In case of eye contact : Contact lenses should be removed. Hold eyelids open and

flush with copious amounts of clean, fresh water or a special

eyewash solution and seek medical advice.

If swallowed : Immediately rinse mouth and then drink 200-300 ml of water,

seek medical attention.

Do not induce vomiting unless told to by a poison control cen-

ter or doctor.

Most important symptoms and effects, both acute and

delayed

Causes skin irritation.

Causes serious eye damage.

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Notes to physician Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES** 

Suitable extinguishing media : Foam

> Water spray Dry powder

Carbon dioxide (CO2)

Unsuitable extinguishing

media

water jet

Hazardous combustion prod-

ucts

harmful vapours nitrogen oxides fumes/smoke carbon black

Further information The degree of risk is governed by the burning substance and

the fire conditions.

If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not

allow to reach sewage or effluent systems.

Contaminated extinguishing water must be disposed of in

accordance with official regulations.

for fire-fighters

Special protective equipment : Wear a self-contained breathing apparatus.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protec- :

tive equipment and emer-

gency procedures

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Wear eye/face protection.

Use personal protective clothing.

Handle in accordance with good building materials hygiene

and safety practice.

**Environmental precautions** Contain contaminated water/firefighting water.

Do not discharge into drains/surface waters/groundwater.

Methods and materials for

containment and cleaning up

Pick up with suitable appliance and dispose of.

Dispose of absorbed material in accordance with regulations.

#### **SECTION 7. HANDLING AND STORAGE**

Advice on protection against

fire and explosion

The product is neither self-ignitable, nor an explosion hazard,

nor does it promote fires.

Advice on safe handling Avoid inhalation of dusts/mists/vapours.

Avoid skin contact.

Ensure adequate ventilation.

No special measures necessary provided product is used

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correctly.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place.

Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Further information on stor-

age conditions

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

Protect from direct sunlight.

Recommended storage tem- :

perature

50 - 86 °F / 10 - 30 °C

Further information on stor-

age stability

PROTECT FROM FREEZING.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Calcium dihydroxide	1305-62-0	TWA value	5 mg/m3	ACGIHTLV
		REL value	5 mg/m3	NIOSH
		PEL (Respir-	5 mg/m3	29 CFR
		able fraction)		1910.1000
				(Table Z-1)
		PEL (Total	15 mg/m3	29 CFR
		dust)		1910.1000
				(Table Z-1)
		TWA value	5 mg/m3	29 CFR
				1910.1000
				(Table Z-1-A)
		TWA	5 mg/m3	ACGIH
		TWA	5 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA	5 mg/m3	OSHA P0
glycerol	56-81-5	PEL (Total	15 mg/m3	29 CFR
		dust)		1910.1000
		-		(Table Z-1)
		PEL (Respir-	5 mg/m3	29 CFR
		able fraction)		1910.1000
				(Table Z-1)
		TWA value	10 mg/m3	29 CFR
		(Total dust)		1910.1000
				(Table Z-1-A)



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			12/10/2020	
		TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA (mist, respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (mist, total dust)	15 mg/m3	OSHA Z-1
		TWA (Mist - total dust)	10 mg/m3	OSHA P0
		TWA (Mist - respirable fraction)	5 mg/m3	OSHA P0
talc	14807-96-6	TWA value (Respirable fraction)	2 mg/m3	ACGIHTLV
		TWA (Dust)	20 Million parti- cles per cubic foot	OSHA Z-3
		TWA (respirable dust fraction)	2 mg/m3	OSHA P0
		TWA (Respirable)	2 mg/m3	NIOSH REL
		TWA	0.1 fibres per cubic centimeter	ACGIH
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
Naphtha (petroleum), heavy alkylate	64741-65-7	REL value	100 ppm 400 mg/m3	NIOSH
		PEL	100 ppm 400 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	100 ppm 400 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0
Silicon dioxide	7631-86-9	REL value TWA value	6 mg/m3 6 mg/m3	NIOSH 29 CFR 1910.1000 (Table Z-1-A)
		TWA value	20 millions of particles per cubic foot of air	29 CFR 1910.1000 (Table Z-3)
		TWA value	0.8 mg/m3	29 CFR 1910.1000 (Table Z-3)
		TWA (Dust)	20 Million parti-	OSHA Z-3





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	cles per cubic foot (Silica)	
TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
TWA	6 mg/m3 (Silica)	NIOSH REL

**Engineering measures** : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Wear respiratory protection if ventilation is inadequate.

Wear a NIOSH-certified (or equivalent) respirator as neces-

sary.

Hand protection

Remarks : Chemical resistant protective gloves Manufacturer's direc-

tions for use should be observed because of great diversity of

types.

Eye protection : Safety glasses with side-shields.

Skin and body protection : Body protection must be chosen based on level of activity

and exposure.

Protective measures : Do not inhale dust/fumes/aerosols.

Avoid contact with the skin, eyes and clothing.

Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene

and safety practice.

Wearing of closed work clothing is recommended.

Hygiene measures : When using, do not eat, drink or smoke.

Hands and/or face should be washed before breaks and at

the end of the shift.

At the end of the shift the skin should be cleaned and skin-

care agents applied.

Gloves must be inspected regularly and prior to each use.

Replace if necessary (e.g. pinhole leaks).

When using do not eat or drink.

#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : pasty

Color : white to slightly yellow





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Odor : of polyglycol

Odor Threshold : not determined

pH : 13.0 (approx. 73 °F / 23 °C)

Melting point : No applicable information available.

Boiling point : No applicable information available.

Flash point :  $> 212 \,^{\circ}\text{F} / > 100 \,^{\circ}\text{C}$ 

Evaporation rate : No applicable information available.

Flammability (solid, gas) : Based on the chemical structure there is no indication of

flammability

Self-ignition : not self-igniting

Upper explosion limit / Upper

flammability limit

No applicable information available.

Lower explosion limit / Lower

flammability limit

As a result of our experience with this product and our

knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance

with the intended use.

Vapor pressure : not determined

Relative vapor density : No applicable information available.

Relative density : No applicable information available.

Density : approx. 1.200 g/cm3 (73 °F / 23 °C)

Bulk density : Not applicable

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No applicable information available.

Partition coefficient: n-

octanol/water

: not applicable for mixtures

Autoignition temperature : not determined

Decomposition temperature : No decomposition if stored and handled as pre-

scribed/indicated.

Viscosity

Viscosity, dynamic : approx. 1,400 mPa.s (73 °F / 23 °C)





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Viscosity, kinematic : No applicable information available.

Explosive properties : Not explosive

Oxidizing properties : not fire-propagating

Sublimation point : No applicable information available.

Molecular weight : No data available

#### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No hazardous reactions if stored and handled as pre-

scribed/indicated.

Chemical stability : The product is stable if stored and handled as pre-

scribed/indicated.

Possibility of hazardous reac-

tions

The product is stable if stored and handled as pre-

scribed/indicated.

Conditions to avoid : See SDS section 7 - Handling and storage.

Incompatible materials : Strong acids

Strong bases

Strong oxidizing agents Strong reducing agents

Hazardous decomposition

products

No hazardous decomposition products if stored and handled

as prescribed/indicated.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

## **Acute toxicity**

Not classified based on available information.

### Skin corrosion/irritation

Causes skin irritation.

## Serious eye damage/eye irritation

Causes serious eye damage.

# Respiratory or skin sensitization

## Skin sensitization

Not classified based on available information.

#### Respiratory sensitization

Not classified based on available information.

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## Germ cell mutagenicity

Not classified based on available information.

## Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

Not classified based on available information.

#### STOT-single exposure

Not classified based on available information.

#### STOT-repeated exposure

Not classified based on available information.

## **Aspiration toxicity**

Not classified based on available information.

#### **Further information**

#### **Product:**

Remarks : Health injuries are not known or expected under normal use.

The product has not been tested. The statements on toxicology have been derived from the properties of the individual

components.

#### **SECTION 12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

## **Product:**

## **Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

## Persistence and degradability

## **Product:**

Biodegradability : Remarks: Taking into consideration the properties of several

ingredients, the product is estimated not to be readily biode-

gradable according to OECD classification.

#### Bioaccumulative potential

# **Product:**

Bioaccumulation : Remarks: No data available.

Discharge into the environment must be avoided.

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#### **Components:**

glycerol:

Partition coefficient: n-

octanol/water

log Pow: -1.75 (77 °F / 25 °C)

pH: 7.4

Method: Partition coefficient (n-octanol/water), Shake-flask

method

Mobility in soil
No data available

Other adverse effects

**Product:** 

Additional ecological infor-

mation

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual

components.

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

Waste from residues : Dispose of in accordance with national, state and local regula-

tions.

Do not discharge into drains/surface waters/groundwater. Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Contaminated packaging : Contaminated packaging should be emptied as far as possible

and disposed of in the same manner as the sub-

stance/product.

#### **SECTION 14. TRANSPORT INFORMATION**

## International Regulations

**UNRTDG** 

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

**IMDG-Code** 

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

**Domestic regulation** 

**49 CFR** 

Not regulated as a dangerous good





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#### **SECTION 15. REGULATORY INFORMATION**

## **US State Regulations**

## Pennsylvania Right To Know

Calcium dihydroxide 1305-62-0 glycerol 56-81-5 talc 14807-96-6 Naphtha (petroleum), heavy alkylate 64741-65-7

## **New Jersey Right To Know**

Calcium dihydroxide 1305-62-0 glycerol 56-81-5 talc 14807-96-6 Naphtha (petroleum), heavy alkylate 64741-65-7

## California Prop. 65

WARNING: This product can expose you to chemicals including talc, which is/are known to the State of California to cause cancer, and

ethylene oxide, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

#### The ingredients of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

DSL : This product contains one or more components listed on the

Canadian NDSL. All other components are on the Canadian

DSL.

## **SECTION 16. OTHER INFORMATION**

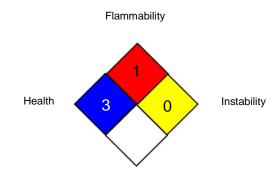
## **Further information**





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## NFPA 704:



Special hazard

### HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

#### Full text of other abbreviations

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1-A (29 CFR 1910.1000)

1-A)

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR

1910.1000

29 CFR 1910.1000 (Table Z- : OSHA Table Z-3 (Mineral Dusts) 29 CFR 1910.1000

3)

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIHTLV : American Conference of Governmental Industrial Hygienists -

threshold limit values (US)

NIOSH : NIOSH Pocket Guide to Chemical Hazards (US)
NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA PO : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

1910.1000

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-

its for Air Contaminants

OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Min-

eral Dusts

29 CFR 1910.1000 (Table Z- :

1-A) / TWA value

Time Weighted Average (TWA):

29 CFR 1910.1000 (Table Z- : Permissible exposure limit

1) / PEL

29 CFR 1910.1000 (Table Z- : Time Weighted Average (TWA):

3) / TWA value

ACGIH / TWA : 8-hour, time-weighted average
ACGIHTLV / TWA value : Time Weighted Average (TWA):
NIOSH / REL value : Recommended exposure limit (REL):

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

OSHA P0 / TWA : 8-hour time weighted average OSHA Z-1 / TWA : 8-hour time weighted average OSHA Z-3 / TWA : 8-hour time weighted average



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AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule: ENCS - Existing and New Chemical Substances (Japan): ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB -Very Persistent and Very Bioaccumulative

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