

SAFETY DATA SHEET

Sika® Aktivator-205



Version
1.0

Revision Date:
24.11.2022

SDS Number:
000000019904

Date of last issue: -
Date of first issue: 24.11.2022

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sika® Aktivator-205

Manufacturer or supplier's details

Company : **Sika (Singapore) Pte Ltd.**

28 Tuas South Ave 8
637648 Singapore

Telephone : +65 6861 0632

Emergency telephone number : +65 6861 0632

E-mail address : -

Telefax : +65 6862 3915

Recommended use of the chemical and restrictions on use

Product use : Pretreatment agent

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 2

Serious eye damage/eye irritation : Category 2

Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements :

Prevention:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces.
No smoking.
P233 Keep container tightly closed.

SAFETY DATA SHEET

Sika® Aktivator-205



Version
1.0

Revision Date:
24.11.2022

SDS Number:
000000019904

Date of last issue: -
Date of first issue: 24.11.2022

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.
P261 Avoid breathing mist or vapours.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
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.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
propan-2-ol	67-63-0	>= 90 -<= 100
titanium tetrabutanolat	5593-70-4	>= 1 -< 3

4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.

SAFETY DATA SHEET

Sika® Aktivator-205



Version
1.0

Revision Date:
24.11.2022

SDS Number:
000000019904

Date of last issue: -
Date of first issue: 24.11.2022

- If inhaled : Move to fresh air.
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : irritant effects
Excessive lachrymation
Loss of balance
Vertigo
See Section 11 for more detailed information on health effects and symptoms.
Causes serious eye irritation.
May cause drowsiness or dizziness.
- Notes to physician : Treat symptomatically.
-

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing media : Water
- Hazardous combustion products : No hazardous combustion products are known

Carbon monoxide
- Specific extinguishing methods : Use water spray to cool unopened containers.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
-

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protection : Use personal protective equipment.
-

SAFETY DATA SHEET

Sika® Aktivator-205



Version
1.0

Revision Date:
24.11.2022

SDS Number:
000000019904

Date of last issue: -
Date of first issue: 24.11.2022

- tive equipment and emergency procedures : Remove all sources of ignition.
Deny access to unprotected persons.
- Environmental precautions : Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Use explosion-proof equipment.
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
Take precautionary measures against electrostatic discharges.
- Advice on safe handling : Do not breathe vapours or spray mist.
Avoid exceeding the given occupational exposure limits (see section 8).
Do not get in eyes, on skin, or on clothing.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharge.
Open drum carefully as content may be under pressure.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).
Follow standard hygiene measures when handling chemical products
- Conditions for safe storage : Store in original container.
Store in cool place.
Keep in a well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Store in accordance with local regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
propan-2-ol	67-63-0	PEL (long term)	400 ppm 983 mg/m3	SG OEL

SAFETY DATA SHEET

Sika® Aktivator-205



Version
1.0

Revision Date:
24.11.2022

SDS Number:
000000019904

Date of last issue: -
Date of first issue: 24.11.2022

		PEL (short term)	500 ppm 1,230 mg/m ³	SG OEL
--	--	------------------	------------------------------------	--------

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
butan-1-ol	71-36-3	PEL (short term)	50 ppm 152 mg/m ³	SG OEL
		TWA	20 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	ACGIH BEI

Personal protective equipment

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
- Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
- Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : colourless

SAFETY DATA SHEET

Sika® Aktivator-205



Version
1.0

Revision Date:
24.11.2022

SDS Number:
000000019904

Date of last issue: -
Date of first issue: 24.11.2022

Odour : alcohol-like

Odour Threshold : No data available

pH : ca. 7 (20 °C (68 °F))

Melting point/range / Freezing point : No data available

Boiling point/boiling range : 82.4 °C (180.3 °F)

Flash point : ca. 12 °C (54 °F)
(Method: closed cup)

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Flammability (liquids) : Not applicable

Upper explosion limit / Upper flammability limit : Upper flammability limit
12 %(V)

Lower explosion limit / Lower flammability limit : Lower flammability limit
2 %(V)

Vapour pressure : ca. 45 hPa

Relative vapour density : No data available

Density : ca. 0.783 g/cm³ (20 °C (68 °F))

Solubility(ies)

 Water solubility : soluble

 Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : 425 °C

Decomposition temperature : No data available

Viscosity

 Viscosity, dynamic : ca. 2 mPa.s (20 °C (68 °F))

 Viscosity, kinematic : < 20.5 mm²/s (40 °C (104 °F))

Explosive properties : No data available

Oxidizing properties : No data available

SAFETY DATA SHEET

Sika® Aktivator-205



Version
1.0

Revision Date:
24.11.2022

SDS Number:
000000019904

Date of last issue: -
Date of first issue: 24.11.2022

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. Vapours may form explosive mixture with air.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong acids and oxidizing agents Aldehydes Amines Bases
Hazardous decomposition products	:	butan-1-ol

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Components:

propan-2-ol:

Acute oral toxicity	:	LD50 Oral (Rat): < 5,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 20 mg/l Exposure time: 4 h Test atmosphere: vapour
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

SAFETY DATA SHEET

Sika® Aktivator-205



Version
1.0

Revision Date:
24.11.2022

SDS Number:
000000019904

Date of last issue: -
Date of first issue: 24.11.2022

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

propan-2-ol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other : LC50 (Daphnia magna (Water flea)): 9,714 mg/l
aquatic invertebrates : Exposure time: 24 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : EC50 (Scenedesmus capricornutum (fresh water algae)): >
plants : 100 mg/l
Exposure time: 72 h

titanium tetrabutanolate:

Toxicity to fish : LC50 (Fish): 1,825 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): 1,300 mg/l
aquatic invertebrates : Exposure time: 48 h

Toxicity to algae/aquatic : EC50: 225 mg/l
plants : Exposure time: 96 h

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological infor- : There is no data available for this product.

SAFETY DATA SHEET

Sika® Aktivator-205



Version
1.0

Revision Date:
24.11.2022

SDS Number:
000000019904

Date of last issue: -
Date of first issue: 24.11.2022

mation

13. DISPOSAL CONSIDERATIONS

Disposal methods

- Waste from residues : Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

- UN number or ID number : UN 1219
Proper shipping name : ISOPROPANOL
Class : 3
Packing group : II
Labels : 3

IATA-DGR

- UN/ID No. : UN 1219
Proper shipping name : Isopropanol
Class : 3
Packing group : II
Labels : Flammable Liquids
Packing instruction (cargo aircraft) : 364
Packing instruction (passenger aircraft) : 353

IMDG-Code

- UN number or ID number : UN 1219
Proper shipping name : ISOPROPANOL
Class : 3
Packing group : II
Labels : 3
EmS Code : F-E, S-D
Marine pollutant : no

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

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet.

SAFETY DATA SHEET

Sika® Aktivator-205



Version
1.0

Revision Date:
24.11.2022

SDS Number:
000000019904

Date of last issue: -
Date of first issue: 24.11.2022

Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.

Environmental Protection and Management Act and : Not applicable
Environmental Protection and Management (Hazardous Substances) Regulations

16. OTHER INFORMATION

Revision Date : 24.11.2022
Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)
SG OEL : Singapore. Workplace Safety and Health (General Provisions) Regulations - First Schedule Permissible Exposure Limits of Toxic Substances.

ACGIH / TWA : 8-hour, time-weighted average
SG OEL / PEL (long term) : Permissible Exposure Level (PEL) Long Term
SG OEL / PEL (short term) : Permissible Exposure Level (PEL) Short Term
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS : Chemical Abstracts Service
DNEL : Derived no-effect level
EC50 : Half maximal effective concentration
GHS : Globally Harmonized System
IATA : International Air Transport Association
IMDG : International Maritime Code for Dangerous Goods
LD50 : Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)

LC50 : Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)

MARPOL : International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978

OEL : Occupational Exposure Limit
PBT : Persistent, bioaccumulative and toxic
PNEC : Predicted no effect concentration
REACH : Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemi-

SAFETY DATA SHEET

Sika® Aktivator-205



Version
1.0

Revision Date:
24.11.2022

SDS Number:
000000019904

Date of last issue: -
Date of first issue: 24.11.2022

SVHC : cals (REACH), establishing a European Chemicals Agency
vPvB : Substances of Very High Concern
: Very persistent and very bioaccumulative

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

SG / EN