

SAFETY DATA SHEET 25106

InnoviSeal TPO General Purpose Sealant

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAME	InnoviSeal TPO General Purpose Sealant
TRADE NAME	TPO Sealant
PRODUCT NUMBER	6100006
CHEMICAL FAMILY	Sealant
PRODUCT USE	Adhesive/Sealant
MANUFACTURER/SUPPLIER	Royal Adhesives & Sealants, LLC 4401 Page Avenue. P. O. Box 457 Michigan Center, MI 49254 Information Phone Number: 517-764-0334
WEBSITE	www.iko.com
EMERGENCY NUMBER	CANUTEC: 1-613-996-6666 (24 hours information only)

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD Warning

SYMBOL(S)



CLASSIFICATION

STOT RE 1
Skin Irrit. 2
Aquatic Chronic 3

HAZARD STATEMENTS

H315 Causes skin irritation.
H372 Causes damage to the central nervous system through prolonged or repeated exposure
H412 Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid release to the environment.

Response:
Wear protective gloves.
If on skin: Wash with plenty of water.
Specific treatment (see on this label).
Get medical advice/attention if you feel unwell.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

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Disposal:
Dispose of contents/container in accordance with local/regional/national/international regulations.

NFPA Health: 2
Flammability: 3
Reactivity: 0

HMIS Health: 2
Flammability: 3
Physical Hazards: 0

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

CHEMICAL NAME	% (w/w)	CAS NUMBER
Naphtha, petroleum, hydrotreated light, low boil	5 – 20%	64742-49-0
Solvent naphtha (petroleum), medium aliph	2.5 – 10%	64742-88-7
Distillates (petroleum), hydrotreated heavy naphthenic	≤ 2.5%	64742-52-5
Titanium dioxide	≤ 2.5%	13463-67-7
Calcium oxide	≤ 1%	1305-78-8

Additional information:

It is highly unlikely the powders and pigments compounded within this product would pose a hazardous risk from inhalation as they are no longer a respirable particulate. Exposure to these ingredients as used in sealants, putties, bedding compounds and other non-sprayable products is highly unlikely. The concentrations listed in the composition section are percent by weight unless a gas. Gas concentrations are expressed in percent by volume.

SECTION 4 – FIRST AID

INHALATION Call a doctor immediately.
Overexposure, remove to fresh air and seek medical attention.

INGESTION Seek medical treatment

SKIN CONTACT Immediately wash with water and soap and rinse thoroughly

EYE CONTACT Rinse opened eye for 20 minutes under running water. If eye becomes irritated, obtain medical treatment.

ACUTE AND CHRONIC SYMPTOMS No further relevant information available

MEDICAL ATTENTION No further relevant information available.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray.

ADVICE FOR FIRE FIGHTING Protective equipment: Protective clothing and respiratory protective device

HAZARDOUS COMBUSTION PRODUCTS Formation of toxic gases is possible during heating or in case of fire. Dried solids can burn and release toxic fumes and vapors.

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FLAMMABILITY	No further relevant information available Not applicable
PROPERTIES:	
FLASH POINT	10°C (50 °F)
FLAMMABLE LIMITS IN AIR	Not determined
AUTO IGNITION TEMPERATURE	Product is not selfigniting.
SPECIAL PPE FOR FIRE-FIGHTERS	Protective clothing and respiratory protective device.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

ENVIRONMENTAL PRECAUTIONS Do not allow to enter sewers/ surface or ground water.

SPILL MANAGEMENT Dispose of contaminated material as waste in accordance with federal state and local regulations.
· Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

PROTECTIVE ACTION CRITERIA FOR CHEMICALS

PAC-1:		
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	140 mg/m ³
57-11-4	Stearic acid, pure	14 mg/m ³
112945-52-5	Amorphous Silica	18 mg/m ³
1305-78-8	Calcium oxide	6 mg/m ³

PAC-2:		
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	1500 mg/m ³
57-11-4	Stearic acid, pure	150 mg/m ³
112945-52-5	Amorphous Silica	100 mg/m ³
1305-78-8	Calcium oxide	110 mg/m ³

PAC-3:		
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	8900 mg/m ³
57-11-4	Stearic acid, pure	910 mg/m ³
112945-52-5	Amorphous Silica	630 mg/m ³
1305-78-8	Calcium oxide	660 mg/m ³

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SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE	Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling. Information about protection against explosions and fires: Keep container closed when not in use
STORAGE PRECAUTIONS	Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Keep away from open flames and high temperatures. Further information about storage conditions: None. Specific end use(s): No further relevant information available.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

CONTROL PARAMETERS

- Components with limit values that require monitoring at the workplace:
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits

CHEMICAL NAME	OCCUPATIONAL EXPOSURE LIMITS		
	ACGIH TLV	OSHA PEL	NIOSH REL
13463-67-7 Titanium Dioxide	Long-term value: 10 mg/m ³ withdrawn from NIC	Long-term value: 15* mg/m ³ *total dust	See Pocket Guide App. A
8032-32-4 Ligroine	TLV Withdrawn - refer to Appendix H	--	Long-term value: 350 mg/m ³ Ceiling limit value: 1800* mg/m ³ *15-min
1305-78-8 Calcium Oxide	Long-term value: 2 mg/m ³	Long-term value: 5 mg/m ³	Long-term value: 2 mg/m ³

ENGINEERING MEASURES No information available.

PERSONAL PROTECTIVE EQUIPMENT:

- | | |
|--------------------------|--|
| RESPIRATORY PROTECTION | Not required. |
| SKIN AND BODY PROTECTION | <ul style="list-style-type: none"> · Body protection: Protective work clothing · Protection of hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration |

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times, rates of diffusion and the degradation

- Material of gloves Nitrile rubber, NBR Chloroprene rubber, CR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

EYE PROTECTION
HYGIENE MEASURES
OTHER CONTROLS

Safety glasses with side shields.
Wash hands before breaks and at the end of work.
No information available.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.) ODOR	Form: Pasty Solid Color: White Petroleum-like
ODOR THRESHOLD	Not determined
PH	Not applicable.
MELTING POINT/FREEZING POINT	Undetermined
INITIAL BOILING POINT AND BOILING RANGE	131 °C (267.8 °F)
FLASH POINT	10 °C (50 °F)
EVAPORATION RATE	No information available.
FLAMMABILITY	Not determined
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	Lower: Not determined Upper: Not determined
VAPOR PRESSURE	Not applicable.
VAPOR DENSITY	3.8
RELATIVE DENSITY	Not determined.
MOLECULAR WEIGHT	No information available.
SOLUBILITY IN/MISCIBILITY WITH WATER: PARTITION COEFFICIENT: N-OCTANOL/WATER	Soluble Not determined

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AUTO-IGNITION TEMPERATURE	Product is not selfigniting.
SPECIFIC GRAVITY	at 20 °C (68 °F): 1.42 g/cm ³ (11.8499 lbs/gal)
VISCOSITY	Dynamic: Not applicable. Kinematic: >20.5 cSt
SOLVENT CONTENT	Organic solvents: 16.4 %
SOLID CONTENT	83.6%
OTHER INFORMATION	VOC's < 250 g/l

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:	No information available.
CHEMICAL STABILITY	Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
POSSIBILITY OF HAZARDOUS REACTIONS	No dangerous reactions known.
CONDITIONS TO AVOID	Heat, flames, sparks, hot surfaces, ignition sources.
INCOMPATIBLE MATERIALS	Reacts with oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	No dangerous decomposition products known.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY	Irritating
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	No information available.
PRIMARY ROUTE OF EXPOSURE	Skin or eyes.
HEALTH EFFECTS:	
EYES	May irritate the skin.
SKIN	May irritate the eye.
INHALATION	Inhalation - Sensitization possible through inhalation.
INGESTION	No information available.
STOT (SPECIFIC TARGET	No information available.

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ORGAN TOXICITY)- SINGLE EXPOSURE

STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE No information available.

CARCINOGENICITY

- IARC (International Agency for Research on Cancer)
13463-67-7 Titanium dioxide - 2B
Polyethylene - 3
14808-60-7 Non-respirable quartz - 1
- NTP (National Toxicology Program)
14808-60-7 non-respirable quartz - K
- OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

REPRODUCTIVE TOXICITY:

DEVELOPMENT OF OFFSPRING No information available

SEXUAL FUNCTION AND FERTILITY No information available

GERM CELL MUTAGENICITY No information available

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY Aquatic toxicity: Not expected to be harmful to aquatic organisms

PERSISTENCE & DEGRADABILITY No further relevant information available.

BIODEGRADATION MOBILITY Mobility in soil No further relevant information available.

BIOACCUMULATION POTENTIAL Bioaccumulative potential No further relevant information available.

GENERAL NOTES

At present there are no ecotoxicological assessments.
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS

- Waste treatment methods
- Recommendation:
Small amounts can be disposed of with household waste after the product has cured or skinned over. Larger quantities should be

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disposed of according to state and local regulation.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.
Disposal must be made according to official regulations.

- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

SECTION 14 – TRANSPORT INFORMATION

UN-NUMBER	
DOT, ADN, IMDG, IATA :	UN1325
UN PROPER SHIPPING NAME	
DOT:	Flammable solids, organic, n.o.s.
ADN, IMDG, IATA	FLAMMABLE SOLID, ORGANIC, N.O.S
TRANSPORT HAZARD CLASS(ES):	
DOT, IMDG, IATA	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
AND/R CLAS:	not regulated
PACKING GROUP	
DOT, IMDG, IATA:	II
ENVIRONMENTAL HAZARD	Not applicable.
SPECIAL PRECAUTIONS FOR USERS	Warning: Flammable solids, self-reactive substances and solid desensitised explosives
EMS NUMBER:	F-A,S-G
TRANSPORT IN BULK	Not applicable.
ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE	
TRANSPORT/ADDITIONAL INFORMATION	No information available
UN "MODEL REGULATION"	UN1325, Flammable solids, organic, n.o.s., 4.1, II

SECTION 15 - REGULATIONS

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

- **Sara**
 - **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

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- **Section 313 (Specific toxic chemical listings):**
None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act):**
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
- **Proposition 65**
Please contact H.B. Fuller for more information regarding Proposition 65 on this product:
reg.request@hbfuller.com
- **(DSL) Canada Domestic Substance List**
All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.
- **New Jersey Right-to-Know List:**
1317-65-3 Limestone
13463-67-7 titanium dioxide
1305-78-8 calcium oxide
- **New Jersey Special Hazardous Substance List:**
1305-78-8 Calcium oxide CO, R1
- **Pennsylvania Right-to-Know List:**
1317-65-3 Limestone
13463-67-7 Titanium dioxide
1305-78-8 Calcium oxide
- **Pennsylvania Special Hazardous Substance List:**
None of the ingredients is listed.
- **Carcinogenicity categories**
 - **EPA (Environmental Protection Agency)**
None of the ingredients is listed.
 - **TLV (Threshold Limit Value established by ACGIH)**
13463-67-7 titanium dioxide A4
8032-32-4 Lignoine A3
14808-60-7 non-respirable quartz A2
 - **MAK (German Maximum Workplace Concentration)**
13463-67-7 titanium dioxide 3A
14808-60-7 non-respirable quartz 1
Trade Secret 3A
 - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
13463-67-7 titanium dioxide
14808-60-7 non-respirable quartz
- **National regulations:**
 - **Information about limitation of use:** Use by properly trained workers recommended.
 - **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
 - **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS October 5, 2021

REPLACES THE MSDS/SDS (new)
FROM

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PREPARED BY	Research Department
GENERAL INFORMATION	1-888-766-2468
WEBSITE	www.iko.com
OTHER INFO/DISCLAMERS	Read this Safety Data Sheet before handling or disposing of this product.

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.