

PRIMER PANEL TACK
 Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
 Revision Number 1.07

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name PRIMER PANEL TACK
Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Primers.
Uses advised against Consumer use.

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik GmbH
 An der Bundesstrasse 16
 33829 Borgholzhausen, Germany
 Tel: +49 (0) 5425 / 801 0
 Fax: +49 (0) 5425 / 801 140

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

Emergency Telephone No information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| | |
|---|---------------------|
| Aspiration hazard | Category 1 - (H304) |
| Skin corrosion/irritation | Category 2 - (H315) |
| Serious eye damage/eye irritation | Category 1 - (H318) |
| Reproductive toxicity | Category 2 - (H361) |
| Specific target organ toxicity — single exposure | Category 3 - (H336) |
| Chronic aquatic toxicity | Category 2 - (H411) |
| Flammable liquids | Category 2 - (H225) |

2.2. Label elements

Contains Alkanes, C7-10-iso-, Toluene, Butyl titanate, Ethyl silicate



Signal word

SAFETY DATA SHEET

PRIMER PANEL TACK
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

Danger

Hazard statements

H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H336 - May cause drowsiness or dizziness.
H361 - Suspected of damaging fertility or the unborn child.
H411 - Toxic to aquatic life with long lasting effects.
H225 - Highly flammable liquid and vapour.

Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P271 - Use only outdoors or in a well-ventilated area
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
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
P310 - Immediately call a POISON CENTER or doctor
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

Additional information

This product requires child resistant fastenings if supplied to the general public. This product requires tactile warnings if supplied to the general public.

Special provisions concerning the labelling of certain mixtures

Reserved for industrial and professional use.

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

| Chemical name | EC No | CAS No | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | REACH registration number |
|---------------------|-----------|------------|----------|--|------------------------------------|---------------------------|
| Alkanes, C7-10-iso- | 292-458-5 | 90622-56-3 | 80 - 100 | STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam. Liq. 2 | | 01-2119471305-42-XXXX |

SAFETY DATA SHEET

PRIMER PANEL TACK
Supercedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

| | | | | | | |
|----------------|-----------|-----------|----------|--|--|-----------------------|
| | | | | (H225) | | |
| Butyl titanate | 227-006-8 | 5593-70-4 | 5 - <10 | STOT SE 3 (H335) STOT SE 3 (H336) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Flam Liq. 3 (H226) | | 01-2119967423-33-XXXX |
| Toluene | 203-625-9 | 108-88-3 | 1 - <5 | Skin Irrit. 2 (H315) Repr. 2 (H361d) STOT SE 3 (H336) STOT RE 2 (H373) Asp. Tox. 1 (H304) Aquatic Chronic 3 (H412) Flam. Liq. 2 (H225) | | 01-2119471310-51-XXXX |
| Ethyl silicate | 201-083-8 | 78-10-4 | 1 - <2.5 | Acute Tox. 4 (H332) Eye Irrit. 2 (H319) STOT SE 3 (H335) Flam. Liq. 3 (H226) | | 01-2119496195-28-xxxx |

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|-----------------------|--|
| General advice | If medical advice is needed, have product container or label at hand. |
| Inhalation | Call a doctor immediately. Remove to fresh air. Aspiration into lungs can produce severe lung damage. Delayed pulmonary edema may occur. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Consult an ophthalmologist. |
| Skin contact | Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists. |
| Ingestion | Do NOT induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). If vomiting occurs spontaneously, keep head below hips to prevent aspiration. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND |

SAFETY DATA SHEET

PRIMER PANEL TACK
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

CAUSE DAMAGE.

Self-protection of the first aider Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Because of the danger of aspiration, emesis or gastric lavage should not be used unless the risk is justified by the presence of additional toxic substances.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media Full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

Hazardous combustion products Carbon dioxide (CO₂). Silicon dioxide.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent product from entering drains. Do not allow to enter into soil/subsoil. Refer to protective measures listed in Sections 7 and 8.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

SAFETY DATA SHEET

PRIMER PANEL TACK
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use with local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid breathing vapours or mists. Use personal protection equipment. Avoid contact with skin, eyes or clothing.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store in accordance with the particular national regulations.

7.3. Specific end use(s)

Specific use(s)
Primers.

Identified uses

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

| Chemical name | European Union |
|---------------------------|--|
| Toluene 108-88-3 | TWA: 50 ppm TWA: 192 mg/m ³ * |
| Ethyl silicate 78-10-4 | TWA: 44 mg/m ³ TWA: 5 ppm |

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)

Butyl titanate (5593-70-4)

| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|--|----------------|--------------------------------|---------------|
| worker Long term Systemic health effects | Inhalation | 127 mg/m ³ | |

Toluene (108-88-3)

SAFETY DATA SHEET

PRIMER PANEL TACK
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|--|----------------|--------------------------------|---------------|
| Long term Systemic health effects worker | Dermal | 384 mg/kg bw/d | |
| Long term Systemic health effects Local health effects worker | Inhalation | 192 mg/m ³ | |
| Short term Systemic health effects worker | Inhalation | 384 mg/m ³ | |
| Long term Local health effects worker | Inhalation | 192 mg/m ³ | |
| Short term Local health effects worker | Inhalation | 384 mg/m ³ | |

Ethyl silicate (78-10-4)

| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|---|----------------|--------------------------------|---------------|
| Short term Systemic health effects worker | Dermal | 12.1 mg/kg bw/d | |
| Systemic health effects Long term worker | Dermal | 12.1 mg/kg bw/d | |
| Short term Systemic health effects worker | Inhalation | 85 mg/m ³ | |
| Short term Local health effects worker | Inhalation | 85 mg/m ³ | |
| Long term Systemic health effects worker | Inhalation | 85 mg/m ³ | |
| Long term Local health effects worker | Inhalation | 85 mg/m ³ | |

Derived No Effect Level (DNEL)

Butyl titanate (5593-70-4)

| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|--|----------------|--------------------------------|---------------|
| Long term Systemic health effects Consumer | Inhalation | 152 mg/m ³ | |
| Long term Systemic health effects Consumer | Dermal | 37.5 mg/kg bw/d | |
| Long term Systemic health effects Consumer | Oral | 3.75 mg/kg bw/d | |

Toluene (108-88-3)

| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|----------|----------------|--------------------------------|---------------|
| Consumer | Inhalation | 56.5 mg/m ³ | |

SAFETY DATA SHEET

PRIMER PANEL TACK
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

| | | | |
|---|------------|-----------------------|--|
| Long term Systemic health effects | | | |
| Consumer Short term Systemic health effects | Inhalation | 226 mg/m ³ | |
| Consumer Long term Local health effects | Inhalation | 56 mg/m ³ | |
| Consumer Local health effects Short term | Inhalation | 226 mg/m ³ | |
| Consumer Long term Systemic health effects | Dermal | 226 mg/kg bw/d | |
| Consumer Long term Systemic health effects | Oral | 8.13 mg/kg bw/d | |

| Ethyl silicate (78-10-4) | | | |
|---|----------------|--------------------------------|---------------|
| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer Short term Systemic health effects | Dermal | 8.4 mg/kg bw/d | |
| Consumer Long term Systemic health effects | Dermal | 8.4 mg/kg bw/d | |
| Consumer Short term Systemic health effects | Inhalation | 25 mg/m ³ | |
| Consumer Short term Local health effects | Inhalation | 25 mg/m ³ | |
| Consumer Long term Systemic health effects | Inhalation | 25 mg/m ³ | |
| Consumer Long term Local health effects | Inhalation | 25 mg/m ³ | |

Predicted No Effect Concentration (PNEC) No information available.

| Predicted No Effect Concentration (PNEC) | |
|---|--|
| Butyl titanate (5593-70-4) | |
| Environmental compartment | Predicted No Effect Concentration (PNEC) |
| Freshwater | 0.08 mg/l |
| Marine water | 0.008 mg/l |
| Microorganisms in sewage treatment | 65 mg/l |
| Freshwater sediment | 0.069 mg/kg dry weight |
| Marine sediment | 0.007 mg/kg dry weight |
| Soil | 0.017 mg/kg dry weight |

| Toluene (108-88-3) | |
|---------------------------|--|
| Environmental compartment | Predicted No Effect Concentration (PNEC) |
| Freshwater | 0.68 mg/l |
| Marine water | 0.68 mg/l |
| Sewage treatment plant | 13.61 mg/l |
| Freshwater sediment | 16.39 mg/kg dry weight |
| Marine sediment | 16.39 mg/kg dry weight |

SAFETY DATA SHEET

PRIMER PANEL TACK
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

| | |
|------|-----------------------|
| Soil | 2.89 mg/kg dry weight |
|------|-----------------------|

| Ethyl silicate (78-10-4) | |
|---------------------------------|--|
| Environmental compartment | Predicted No Effect Concentration (PNEC) |
| Freshwater | 0.192 mg/l |
| Marine water | 0.0192 mg/l |
| Freshwater sediment | 0.18 mg/kg dry weight |
| Marine sediment | 0.018 mg/kg dry weight |
| Soil | 0.05 mg/kg |

8.2. Exposure controls

Engineering controls

Vapours/aerosols must be exhausted directly at the point of origin.

Personal protective equipment

Eye/face protection

Tight sealing safety goggles. Eye protection must conform to standard EN 166.

Hand protection

Wear suitable gloves. Recommended Use: Fluoro carbon rubber (FKM). Glove thickness > 0.7mm. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 240 min. Gloves must conform to standard EN 374

Skin and body protection

Suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Recommended filter type:

Organic gases and vapours filter conforming to EN 14387. Brown. White.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|--------------------------|
| Physical state | Liquid |
| Appearance | Liquid |
| Colour | Light yellow |
| Odour | Slight Solvent |
| Odour threshold | No information available |

| Property | Values | Remarks • Method |
|---|------------------------------|-----------------------------------|
| pH | No data available | Not applicable Insoluble in water |
| Melting point / freezing point | No data available | |
| Initial boiling point and boiling range | 116 - 142 °C | |
| Flash point | approx 3 °C | ISO 13736 |
| Evaporation rate | No data available | |
| Flammability | Not applicable for liquids . | |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | 7.0 Vol.% | |
| Lower flammability or explosive limits | 0.9 Vol.% | |
| Vapour pressure | 50 | hPa @ 25 °C |
| Relative vapour density | No data available | |
| Relative density | 0.76 | |
| Water solubility | Insoluble in water | |
| Solubility(ies) | No data available | |
| Partition coefficient | No data available | |
| Autoignition temperature | 370 °C | |
| Decomposition temperature | No data available | |
| Kinematic viscosity | 1 mm ² /s | DIN 51562 |
| Dynamic viscosity | approx 0.76 mPa s | |
| Explosive properties | No data available | |

SAFETY DATA SHEET

PRIMER PANEL TACK
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

Oxidising properties No data available

9.2. Other information

Solid content (%) approx 17
VOC Content (%) approx .? g/L 83 %
Liquid Density 0.76 g/cm³

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under recommended storage conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.
Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks. Protect from moisture.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Stable under recommended storage conditions. Thermal decomposition can lead to release of irritating and toxic gases and vapours. Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation May cause drowsiness or dizziness.
Eye contact Causes serious eye damage.
Skin contact Causes skin irritation.
Ingestion Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Difficulty in breathing. Dizziness. Inhalation of high vapour concentrations may cause

SAFETY DATA SHEET

PRIMER PANEL TACK
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

symptoms like headache, dizziness, tiredness, nausea and vomiting.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (inhalation-dust/mist) 246.20 mg/l
ATEmix (inhalation-vapour) 786.5176 mg/l

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-------------------------------|-------------------------------------|---|------------------------|
| Alkanes, C7-10-iso-90622-56-3 | >10000 ?L/kg (Rattus) | > 3160 µL/kg (Oryctolagus cuniculus) | >4504 ppm (Rattus) 4 h |
| Butyl titanate 5593-70-4 | =3122 mg/kg (Rattus) | >5000 mg/Kg (Oryctolagus cuniculus) | |
| Toluene 108-88-3 | =5580 mg/kg (Rattus) | = 12000 mg/kg (Oryctolagus cuniculus) | >20 mg/L (Rattus) 4 h |
| Ethyl silicate 78-10-4 | LD50 > 2500 mg/kg (Rattus) OECD 423 | = 5878 mg/kg (Oryctolagus cuniculus) = 6300 µL/kg (Oryctolagus cuniculus) | < 1837 ppm (Rat) 4 h |

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

Skin corrosion/irritation Irritating to skin.

Serious eye damage/eye irritation Risk of serious damage to eyes.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

| Chemical name | European Union |
|------------------|----------------|
| Toluene 108-88-3 | Repr. 2 |

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard May be fatal if swallowed and enters airways.

SAFETY DATA SHEET

PRIMER PANEL TACK
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea | M-Factor | M-Factor (long-term) |
|-------------------------------|---|---|----------------------------|--|----------|----------------------|
| Alkanes, C7-10-iso-90622-56-3 | - | 18.4 mg/L (Oncorhynchus mykiss) | - | EL50 (48h)= 2.4 mg/L (Daphnia magna) | | |
| Butyl titanate 5593-70-4 | - | 1825 mg/l | - | 1300 mg/l (Daphnia magna) | | |
| Toluene 108-88-3 | EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata) | LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static) | EC50 = 19.7 mg/L 30 min | EC50: =11.5mg/L (48h, Daphnia magna) EC50: 5.46 - 9.83mg/L (48h, Daphnia magna) | | |
| Ethyl silicate 78-10-4 | EC 50 (72h) > 100 mg/L (Pseudokirchneriella subcapitata) OECD 201 | LC50 (96h)> 245 mg/L (Danio rerio) EU Method C.1 | - | - | | |

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

| Chemical name | Partition coefficient | Bioconcentration factor (BCF) |
|--------------------------|-----------------------|-------------------------------|
| Butyl titanate 5593-70-4 | 0.84 | - |
| Toluene 108-88-3 | 2.7 | - |
| Ethyl silicate 78-10-4 | 3.18 | - |

SAFETY DATA SHEET

PRIMER PANEL TACK
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

| Chemical name | PBT and vPvB assessment |
|-----------------------------|--|
| Butyl titanate 5593-70-4 | The substance is not PBT / vPvB |
| Toluene 108-88-3 | The substance is not PBT / vPvB PBT assessment does not apply |
| Ethyl silicate 78-10-4 | The substance is not PBT / vPvB PBT assessment does not apply |

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Handle contaminated packages in the same way as the product itself.

European Waste Catalogue 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
15 01 10*: Packaging containing residues of or contaminated by dangerous substances

Other information Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN number or ID number UN1993
14.2 Proper Shipping Name Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), Environmentally Hazardous
14.3 Transport hazard class(es) 3
Labels 3
14.4 Packing group II
Description UN1993, Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), 3, II, (D/E), Environmentally Hazardous
14.5 Environmental hazards Yes
14.6 Special Provisions 274, 601, 640C
Classification code F1
Tunnel restriction code (D/E)
Limited Quantity (LQ) 1 L
ADR Hazard Id (Kemmler Number) 33

IMDG

SAFETY DATA SHEET

PRIMER PANEL TACK
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

| | |
|---|---|
| 14.1 UN number or ID number | UN1993 |
| 14.2 Proper Shipping Name | Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), Marine Pollutant |
| 14.3 Transport hazard class(es) | 3 |
| 14.4 Packing group | II |
| Description | UN1993, Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), 3, II, (3°C c.c.), Marine Pollutant |
| 14.5 Marine pollutant | P |
| 14.6 Special Provisions | 274 |
| Limited Quantity (LQ) | 1 L |
| EmS-No | F-E, S-E |
| 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code | Not applicable |

Air transport (ICAO-TI / IATA-DGR)

| | |
|---------------------------------|---|
| 14.1 UN number or ID number | UN1993 |
| 14.2 Proper Shipping Name | Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate) |
| 14.3 Transport hazard class(es) | 3 |
| 14.4 Packing group | II |
| Description | UN1993, Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), 3, II |
| 14.5 Environmental hazards | Yes |
| 14.6 Special Provisions | A3 |
| Limited Quantity (LQ) | 1 L |
| ERG Code | 3H |

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

| Chemical name | CAS No | Restricted substance per REACH Annex XVII |
|---------------|----------|---|
| Toluene | 108-88-3 | 48. |

48

Reserved for industrial and professional use

Adhesives or spray paint shall not be placed on the market containing above substance equal to or greater than 0.1% where supplied to the general public

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

SAFETY DATA SHEET

PRIMER PANEL TACK
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.07

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS
P5b - FLAMMABLE LIQUIDS
P5c - FLAMMABLE LIQUIDS
E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National regulations

France

Occupational Illnesses (R-463-3, France)

| Chemical name | French RG number |
|---------------------|-------------------------|
| Toluene 108-88-3 | RG 4bis, RG 84 RG 84 |

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV

Flammable liquid (R11), EEC: refer to Annex III No. 1 (fire and explosion hazards) and § 7 paragraph 4

Water hazard class (WGK) obviously hazardous to water (WGK 2)

TRGS - 510 Storage Class Storage Class 3 : Flammable liquids

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

| Chemical name | Netherlands - List of Carcinogens |
|---------------------|-----------------------------------|
| Toluene 108-88-3 | Development (Category 2) |

Denmark

Registration number(s) (P-no.) No information available

Norway

Registration number(s) (PRN-no.) No information available

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H225 - Highly flammable liquid and vapour

SAFETY DATA SHEET

PRIMER PANEL TACK

Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020

Revision Number 1.07

H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H361d - Suspected of damaging the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Legend

| | |
|---------|---|
| TWA | TWA (time-weighted average) |
| STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Ceiling Limit Value |
| * | Skin designation |
| SVHC | Substance(s) of Very High Concern |
| PBT | Persistent, Bioaccumulative, and Toxic (PBT) Chemicals |
| vPvB | Very Persistent and very Bioaccumulative (vPvB) Chemicals |
| STOT RE | Specific target organ toxicity - Repeated exposure |
| STOT SE | Specific target organ toxicity - Single exposure |
| EWC | European Waste Catalogue |

Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 22-Sep-2020

Indication of changes

Revision note SDS sections updated, 4, 8, 9, 16, 15.

Training Advice When working with hazardous materials, regular training of operators is required by law

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet