

Safety Data Sheet

Bostik Spånplattelim 2511

Replaces date: 21/04/2015

Revision date: 21/02/2018

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

1.1. Product identifier

Trade name: Bostik Spånplattelim 2511

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

Recommended uses: Solvent based adhesive.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Bostik AB
Address: Strandbadsvägen 22
Zip code: 251 09
City: Helsingborg
Country: SWEDEN
E-mail: info.se@bostik.com
Phone: +46 42 19 50 00
Homepage: www.bostik.com
Contact person: Name: - Environment dep., Phone: +46 42 19 50 00

1.4. Emergency Telephone Number

+46 8 331231 (Swedish Poisons Informations Centre)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Flam. Liq. 2;H225 Skin Irrit. 2;H315 STOT SE 3;H336 Aquatic Chronic 3;H412

Most serious harmful effects: Highly flammable liquid and vapour. Causes skin irritation. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects. Further information on potential health effects and symptoms of Section 11.

2.2. Label elements

Pictograms



Signal word: Danger

Contains

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Substance: Naphtha (petroleum), hydrodesulfurized light, dearomatized. benzene content <0,1 %).; Butanone, Ethyl methyl ketone; Xylene

H-phrases

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

P-phrases

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take action to prevent static discharges.
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.
P403+233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container residues submitted to: licensed waste disposal site.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

2.3. Other hazards

Solvent vapours may form explosive mixtures with air.

This mixture contains no components considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative / vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Substance | CAS number | EC No | REACH Reg. No. | Concentration | Notes | CLP-classification |
|--------------------------------------------------------------------------------------|------------|-----------|------------------|---------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Naphtha (petroleum), hydrodesulfurized light, dearomatized. benzene content <0,1 %). | 92045-53-9 | 295-434-2 | 01-2119666169-27 | 10 -< 25% | | Flam. Liq. 2;H225 Asp. Tox. 1;H304 Skin Irrit. 2;H315 STOT SE 3;H336 Aquatic Chronic 2;H411 |
| Xylene | 1330-20-7 | 215-535-7 | 01-2119488216-32 | 5 -< 10% | | Flam. Liq. 3;H226 Asp. Tox. 1;H304 Acute Tox. 4;H312 Skin Irrit. 2;H315 Eye Irrit. 2;H319 Acute Tox. 4;H332 STOT SE 3;H335 STOT RE 2;H373 |
| Butanone, Ethyl methyl ketone | 78-93-3 | 201-159-0 | 01-2119943742-35 | 5 -< 10% | | Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336 |
| ethylbenzene | 100-41-4 | 202-849-4 | | 0.1 -< 1% | | Flam. Liq. 2;H225 Asp. Tox. 1;H304 Acute Tox. 4;H332 STOT RE 2;H373 |

Please see section 16 for the full text of H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Fresh air and rest. In the event of irritation in the respiratory tract, breathing difficulties,

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headache, tiredness, nausea or unconsciousness, seek immediate medical attention.

Ingestion: DO NOT induce vomiting if swallowed chemical is dissolved in petroleum based material. Danger of aspiration and development of chemical pneumonia. Contact physician.

Skin contact: Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Do not use white spirit, thinner or other organic solvents. Get medical attention if irritation persists after washing.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids. Remove contact lenses. Continue to rinse for at least 15 minutes. Contact physician.

Burns: Flush with water until the pain stops and continue flushing for another 30 minutes.

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

At high concentrations, may irritate the respiratory organs and affect the central nervous system. May cause cracking of the skin and risk of eczema.

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

Show this Material Safety Data Sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, carbon dioxide, foam or fine water mist.

Unsuitable extinguishing media: Do not use a direct water jet that could spread the fire.

5.2. Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)
FUMES MAY FORM EXPLOSIVE MIXTURES WITH AIR. Vapours are heavier than air and may spread near ground to sources of ignition.

5.3. Advice for fire-fighters

Wear a self contained breathing apparatus. Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out.

Other Information: Read this Material Safety Data Sheet before use.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Note the risk of ignition and explosion. Keep the emission separate from sources of ignition. Avoid inhalation and contact with skin and eyes. Use only in well-ventilated areas. Use suitable protective clothing as protection against splashing and contamination.

For emergency responders: Note the risk of ignition and explosion. No action shall be taken that involves personal risk or without appropriate training. The surrounding area must be removed. Keep unnecessary and undeclared workers away. Do not touch or walk through chemicals. Use suitable protective equipment. Show this safety data sheet if possible.

6.2. Environmental precautions

Prevent discharges into the sewage system, watercourses or ground. Avoid direct contact. In the event of major emissions, contact the relevant authorities.

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6.3. Methods and material for containment and cleaning up

Soak up with sawdust, sand or other inert absorption material. Collect in suitable sealed containers for further processing. Eliminate all sources of ignition.

6.4. Reference to other sections

See section 13 for waste disposal. See Sections 7 and 8 for prevention.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use only in well-ventilated areas. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Stored in a well ventilated place and separated from sources of combustion. Keep containers tightly closed in closed original packaging or other closed metal or glass vessel. Store at room temperature.

7.3. Specific end use(s)

See Product Data Sheet.

Other Information: Classification for storage of flammable goods: Class 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

| Substance name | Time period | ppm | mg/m3 | fiber/cm3 | Comments | Remarks |
|------------------------|-------------|------|-------|-----------|----------|---------|
| Xylene | 15m | 15 | 441 | | | |
| Xylene | 8h | 50 | 220 | | | |
| ethylbenzene | 8h | 100 | 441 | | | Sk |
| ethylbenzene | 15m | 125 | 552 | | | Sk |
| ethanol, ethyl alcohol | 8h | 1000 | 1920 | | | |

Sk = Can be absorbed through skin

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

Other Information: Contains substances for which hygienic threshold values are stipulated.

8.2. Exposure controls

Exposure controls: Technical measures: Ensure good general ventilation standards. use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below limits. Personal Precautions: Avoid skin contact with the product, wipe up the pollution / spills as soon as they arise. Wear gloves (tested to EN374) if hand contamination, wash away the impurities of the skin immediately. Wear suitable Coveralls protect against skin exposure. Provide basic training for employees to prevent / minimize exposures.

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| | |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appropriate engineering controls: | Workplace and work methods are designed to prevent direct contact. Observe hygiene limits. |
| Personal protective equipment, eye/face protection: | Use tight-fitting protective goggles. Eye protection must conform to EN 166. |
| Personal protective equipment, skin protection: | Wear antistatic protective clothing. Immediately remove contaminated clothes and wash them before reusing. |
| Personal protective equipment, hand protection: | Use protective gloves that are resistant to chemicals. Gloves must conform to EN 374. Nitrile rubber - NBR: Thickness \geq 0.4mm; breakthrough time \geq 480min. |
| Personal protective equipment, respiratory protection: | In case of insufficient ventilation, wear suitable respiratory equipment. (A2 or self contained breathing apparatus) |
| Environmental exposure controls: | Ensure compliance with local regulations for emissions. |
| Heating hazards: | Avoid high temperatures and direct sunlight. |
| Other Information: | All work must be carried out under well-ventilated conditions. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke during work. Observe local regulations. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Parameter | Value/unit |
|----------------------|-------------------|
| State | Viscous. |
| Colour | Beige. |
| Odour | Characteristic |
| Solubility | Organic solvents. |
| Explosive properties | No data |
| Oxidising properties | No data |

| Parameter | Value/unit | Remarks |
|-----------------------------------------|------------|---------|
| pH (solution for use) | No data | |
| pH (concentrate) | No data | |
| Melting point | No data | |
| Freezing point | No data | |
| Initial boiling point and boiling range | > 48 °C | |
| Flash Point | $- 6$ °C | |
| Evaporation rate | No data | |
| Flammability (solid, gas) | No data | |
| Flammability limits | No data | |
| Explosion limits | No data | |
| Vapour pressure | No data | |
| Vapour density | No data | |
| Relative density | No data | |
| Partition coefficient n-octanol/water | No data | |
| Auto-ignition temperature | No data | |
| Decomposition temperature | No data | |
| Viscosity | No data | |
| Odour threshold | No data | |

9.2 Other information

| Parameter | Value/unit | Remarks |
|-----------|------------------------|---------|
| Density | 1.27 g/cm ³ | |

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| | | |
|---------------------|-----|--|
| Kinematic viscosity | 500 | |
|---------------------|-----|--|

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable when used in accordance with the supplier's directions.

10.2. Chemical stability

Stable under recommended storage and handling conditions. Avoid heat, sparks and open flame.

10.3. Possibility of hazardous reactions

No hazardous reactions with proper storage and handling.

10.4. Conditions to avoid

Store isolated from oxidizing materials. Avoid high temperatures and direct sunlight.

10.5. Incompatible materials

Keep away from acids. Avoid contact with alkaline substances.

10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.

Other Information: Vapours may form explosive mixtures with air.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Naphtha (petroleum), hydrodesulfurized light, dearomatized.benzene content <0,1 %).

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|-------------|------------|-------------|--------|
| Rat | LD50 | | > 5000mg/kg | | | |

Butanone, Ethyl methyl ketone

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|------------|------------|-------------|--------|
| Rat | LD50 | | 2483 mg/kg | | | |

Xylene

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|------------|------------|-------------|--------|
| Rat | LD50 | | 3500 mg/kg | | | |

Acute toxicity - dermal

Naphtha (petroleum), hydrodesulfurized light, dearomatized.benzene content <0,1 %).

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|-------------|------------|-------------|--------|
| Rabbit | LD50 | | > 3160mg/kg | | | |

Butanone, Ethyl methyl ketone

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|------------|------------|-------------|--------|
| Rabbit | LD50 | | 5000 mg/kg | | | |

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| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|-------------|------------|-------------|--------|
| Rabbit | LD50 | | > 4350mg/kg | | | |
| Rabbit | LD50 | | > 1700mg/kg | | | |

Acute toxicity - inhalation

Naphtha (petroleum), hydrodesulfurized light, dearomatized.benzene content <0,1 %).

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|---------------|---------------|------------|------------|-------------|--------|
| Rat | LC50 (vapour) | 4h | > 14.7mg/l | | | |

Butanone, Ethyl methyl ketone

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|-----------|------------|-------------|--------|
| Rat | LC50 | 4h | 11700 ppm | | | |

Xylene

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|-------------|------------|-------------|--------|
| Rat | LC50 | 4h | > 47635mg/l | | | |
| Rat | LC50 | 4h | > 5000ppm | | | |

May cause drowsiness or dizziness.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Based on existing data, the classification criteria are deemed not to have been met.

Respiratory sensitisation or skin sensitisation: Based on existing data, the classification criteria are deemed not to have been met.

Germ cell mutagenicity: Based on existing data, the classification criteria are deemed not to have been met.

Carcinogenic properties: Based on existing data, the classification criteria are deemed not to have been met.

Reproductive toxicity: Based on existing data, the classification criteria are deemed not to have been met.

Single STOT exposure: Based on existing data, the classification criteria are deemed not to have been met.

Repeated STOT exposure: Based on existing data, the classification criteria are deemed not to have been met.

Aspiration hazard: Based on existing data, the classification criteria are deemed not to have been met.

SECTION 12: Ecological information

12.1. Toxicity

Butanone, Ethyl methyl ketone

| Organism | Species | Exposure time | Test Type | Value | Conclusion | Test method | Source |
|-----------|----------------------------------|---------------|-----------|-----------------|------------|-------------|--------|
| Algae | Pseudokirchneriella subcapitata | | EC50 | 1972mg/l | | | |
| Fish | Pimephales promelas flow-through | 96h | 96hLC50 | 3130 - 3320mg/l | | | |
| Crustacea | Daphnia magna | 48h | 48hEC50 | > 308mg/l | | | |

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Xylene

| Organism | Species | Exposure time | Test Type | Value | Conclusion | Test method | Source |
|-----------|---------------------|---------------|-----------|---------|------------|-------------|--------|
| Fish | Oncorhynchus mykiss | 96h | 96hLC50 | 2.6mg/l | | OECD 203 | |
| Crustacea | water flea | 48h | 48hEC50 | 3.4mg/l | | | |

ethylbenzene

| Organism | Species | Exposure time | Test Type | Value | Conclusion | Test method | Source |
|-----------|---------------------------------|---------------|-----------|----------------|------------|-------------|--------|
| Algae | Pseudokirchneriella subcapitata | 72h | 72hEC50 | 2.6 - 11.3mg/l | | | |
| Fish | Oncorhynchus mykiss semi-static | 96 | 96hLC50 | 4.2 mg/l | | | |
| Crustacea | Daphnia magna | 48h | 48hEC50 | 1.8 - 2.4mg/l | | | |

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

The components in this product do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

The product may be harmful to organisms in sewage treatment plants.

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

Other Information

Prevent discharge into the sewage system or the immediate environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Treat as dangerous waste. Containers with rests of content is hazardous waste.

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Category of waste: 08 04 09* waste adhesives and sealants containing organic solvents or other hazardous

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substances

SECTION 14: Transport information

Land transport (ADR/RID)

| | | | |
|-----------------------------------|------|------------------------------|-------|
| 14.1. UN-No.: | 1133 | 14.4. Packing group: | II |
| 14.2. UN proper shipping name: | | 14.5. Environmental hazards: | |
| 14.3. Transport hazard class(es): | 3 | | |
| Hazard label(s): | 3 | | |
| Hazard identification number: | | Tunnel restriction code: | (D/E) |

Inland water ways transport (ADN)

| | | | |
|-----------------------------------|----------|------------------------------|----|
| 14.1. UN-No.: | 1133 | 14.4. Packing group: | II |
| 14.2. UN proper shipping name: | Adhesive | 14.5. Environmental hazards: | |
| 14.3. Transport hazard class(es): | 33 | | |
| Hazard label(s): | | | |
| Transport in tank vessels: | | | |

Sea transport (IMDG)

| | | | |
|-----------------------------------|----------|--------------------------------------------|----|
| 14.1. UN-No.: | 1133 | 14.4. Packing group: | II |
| 14.2. UN proper shipping name: | Adhesive | 14.5. Environmental hazards: | |
| 14.3. Transport hazard class(es): | 3 | Environmental Hazardous Substance Name(s): | |
| Hazard label(s): | | | |
| EmS: | F-E, S-D | IMDG Code segregation group: | |

Air transport (ICAO-TI / IATA-DGR)

| | | | |
|-----------------------------------|----------|------------------------------|----|
| 14.1. UN-No.: | 1133 | 14.4. Packing group: | II |
| 14.2. UN proper shipping name: | Adhesive | 14.5. Environmental hazards: | |
| 14.3. Transport hazard class(es): | 3 | | |
| Hazard label(s): | | | |

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

No known information.

SECTION 15: Regulatory information

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

| | |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Special Provisions: | EH40/2005 Workplace exposure limits incl. supplement from October 2007. |
| | Safety, health and environmental regulations / legislation specific for the substance or mixture. EU Regulation (EC) No 1907/2006 (REACH). |
| | 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. |

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

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59.
The product does not contain SVHC substances.

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction: None of the components are listed.

EU-REACH (1907/2006) - Annex XIV - List of substances subject to authorisation: None of the components are listed.

Authorisations / limitations: People under the age of 18 must not be exposed this product. Council directive 94/33/EC.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Vendor notes: Version 3.
The information in this SDS is based on our current knowledge and on current EU and national laws. The product should not be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the user who has full responsibility to comply with the requirements of current legislation. The information in this SDS is meant as a description of safety requirements for the product and not a guarantee of product properties.

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List of relevant H-statements

| | |
|------|--------------------------------------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| 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. |

Document language: GB