

**CONTACT BOND**  
Revision Number 3Revision date 25-Sep-2019  
Supersedes Date: 10-Jul-2019**Section 1: Identification: Product identifier and chemical identity****Product identifier****Product Name** CONTACT BOND**Product Code(s)**30608497  
30608496; 30608497; 30608498;**Other means of identification****Proper Shipping Name** Adhesives**UN Number** UN1133**Pure substance/mixture** Mixture**Recommended use of the chemical and restrictions on use****Recommended use** Contact adhesives**Uses advised against** Consumer use**Details of manufacturer or importer****Supplier**Bostik Australia Pty Ltd  
51-71 High Street,  
Thomastown Victoria  
Australia  
Tel: 613 9279-9333  
Fax: 613 9279-9342**ABN:** 79 003 893 838**E-mail address** au-bostik-sds@bostik.com**Emergency telephone number**

Emergency telephone number 24-hr Emergency: 1800 033 111

**Section 2: Hazard(s) identification****GHS Classification**

Based on available information, this material is classified as hazardous according to criteria of Safe Work Australia

|   |                     |
|---|---------------------|
| <b>Flammable liquids</b>                                  | Category 2 - (H225) |
| <b>Aspiration hazard</b>                                  | Category 1 - (H304) |
| <b>Skin corrosion/irritation</b>                          | Category 2 - (H315) |
| <b>Reproductive toxicity</b>                              | Category 2 - (H361) |
| <b>Specific target organ toxicity (single exposure)</b>   | Category 3 - (H336) |
| <b>Specific target organ toxicity (repeated exposure)</b> | Category 2 - (H373) |

**Label elements**

Flame

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Exclamation mark  
Health hazard



**Signal word**  
Danger

## **Hazard statements**

H225 - Highly flammable liquid and vapor  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H336 - May cause drowsiness or dizziness  
H361 - Suspected of damaging fertility or the unborn child  
H373 - May cause damage to organs through prolonged or repeated exposure

## **Precautionary Statements - Prevention**

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P281 - Use personal protective equipment as required  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P235 - Keep cool  
P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment

## **Precautionary Statements - Response**

P308 + P313 - IF exposed or concerned: Get medical advice/attention  
P332 + P313 - If skin irritation occurs: Get medical advice/attention  
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P363 - Wash contaminated clothing before reuse  
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor  
P331 - Do NOT induce vomiting  
P370 + P378 - In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish

## **Precautionary Statements - Storage**

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

## **Precautionary Statements - Disposal**

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

## **Other hazards which do not result in classification**

Toxic to aquatic life with long lasting effects  
Harmful to aquatic life  
In use may form flammable/explosive vapor-air mixture

## **Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poison Schedule Number** S5

## **Label requirements in accordance with SUSMP**

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CAUTION  
KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

## Section 3: Composition and information on ingredients, in accordance with Schedule 8

### Substance

Not applicable

### Mixture

| Chemical name   | CAS No.     | Weight-% |
|---|-------------|----------|
| Toluene   | 108-88-3    | 30 - 60% |
| Naphtha, petroleum, hydrotreated light, <0.1% Benzene | 64742-49-0  | 30 - 60% |
| Acetone   | 67-64-1     | 0 - 10%  |
| Pentane   | 109-66-0    | 0 - 10%  |
| Hexane  | 110-54-3    | < 3%     |
| Non-hazardous ingredients                             | Proprietary | Balance  |

## Section 4: First aid measures

**Emergency telephone number** Poisons Information Center, Australia: 13 11 26  
Poisons Information Center, New Zealand: 0800 764 766

### FIRST AID

**General advice** Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

**Inhalation** Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may occur.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

**Ingestion** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Clean mouth with water. Drink 1 or 2 glasses of water. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical advice/attention.

**Self-protection of the first aider** Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing.

### Most important symptoms and effects, both acute and delayed

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

### Indication of any immediate medical attention and special treatment needed

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

## Section 5: Firefighting measures

### Suitable extinguishing media

**Suitable extinguishing media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media** Do not use straight streams. CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

**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. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Hazardous combustion products** Carbon oxides.

### Special protective actions for fire-fighters

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

**Hazchem code** •3YE

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.

**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.

### Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow to enter into soil/subsoil.

### Methods and material for containment and cleaning up

**Methods for containment** Dike far ahead of spill; use dry sand to contain the flow of material. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Take up mechanically, placing in appropriate containers for disposal.

### Precautions to prevent secondary hazards

**Prevention of secondary hazards** Eliminate all ignition sources if safe to do so.

## Section 7: Handling and storage, including how the chemical may be safely used

### Precautions for safe handling

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**Advice on safe handling** Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. In case of insufficient ventilation, wear suitable respiratory equipment.

**General hygiene considerations** Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection.

## **Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

## **Section 8: Exposure controls and personal protection**

### **Control parameters**

### **Exposure Limits**

| Chemical name       | Australia   |
|---------------------|---|
| Toluene<br>108-88-3 | 50 ppm TWA<br>191 mg/m <sup>3</sup> TWA<br>150 ppm STEL<br>574 mg/m <sup>3</sup> STEL     |
| Acetone<br>67-64-1  | 500 ppm TWA<br>1185 mg/m <sup>3</sup> TWA<br>1000 ppm STEL<br>2375 mg/m <sup>3</sup> STEL |
| Pentane<br>109-66-0 | 600 ppm TWA<br>1770 mg/m <sup>3</sup> TWA<br>750 ppm STEL<br>2210 mg/m <sup>3</sup> STEL  |
| Hexane<br>110-54-3  | 20 ppm TWA<br>72 mg/m <sup>3</sup> TWA  |

OEL as published by Safe Work Australia

### **Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### **Individual protection measures, such as personal protective equipment**

**Eye/face protection** Tight sealing safety goggles.

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|  |   |
|--|---|
| <b>Skin and body protection</b>        | Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.   |
| <b>Hand protection</b>                 | Wear suitable gloves. Impervious gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.   |
| <b>Respiratory protection</b>          | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Organic gases and vapors filter conforming to EN 14387 |
| <b>Environmental exposure controls</b> | No information available.   |

## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   |
| <b>Appearance</b>     | Liquid                   |
| <b>Color</b>          | Clear to light yellow    |
| <b>Odor</b>           | Solvent                  |
| <b>Odor threshold</b> | No information available |

| <u>Property</u>                        | <u>Values</u>              | <u>Remarks • Method</u> |
|--|----------------------------|-------------------------|
| pH                                     | No data available          |                         |
| Melting point / freezing point         | No data available          |                         |
| Boiling point / boiling range          | 56 °C                      |                         |
| Flash point                            | -20 °C                     |                         |
| Evaporation rate                       | No data available          |                         |
| Flammability (solid, gas)              | Not applicable for liquids |                         |
| Flammability Limit in Air              |                            |                         |
| Upper flammability or explosive limits | 12.8                       |                         |
| Lower flammability or explosive limits | 2.6                        |                         |
| Vapor pressure                         | 3.5                        |                         |
| Vapor density                          | No data available          |                         |
| Relative density                       | No data available          |                         |
| Water solubility                       | Insoluble in water         |                         |
| Solubility(ies)                        | No data available          |                         |
| Partition coefficient                  | No data available          |                         |
| Autoignition temperature               | 465 °C                     |                         |
| Decomposition temperature              | No data available          |                         |
| Kinematic viscosity                    | No data available          |                         |
| Dynamic viscosity                      | 1300 - 1400 mPa s          |                         |
| Explosive properties                   | No information available   |                         |
| Oxidizing properties                   | No information available   |                         |

### Other information

|                          |                        |
|--------------------------|------------------------|
| <b>Solid content (%)</b> | approx. 22             |
| <b>VOC Content (%)</b>   | 606 g/L                |
| <b>Density</b>           | 0.83 g/cm <sup>3</sup> |

## Section 10: Stability and reactivity

### Reactivity

**Reactivity** No information available.

### Chemical stability

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**Stability** Stable under normal conditions.

## Explosion Data

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

## Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

## Conditions to avoid

**Conditions to avoid** Heat, flames and sparks.

## Incompatible materials

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

## Hazardous decomposition products

**Hazardous decomposition products** Carbon oxides.

## Section 11: Toxicological information

### Acute Toxicity

#### Information on likely routes of exposure

#### Product Information

**Inhalation** Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. May cause drowsiness or dizziness.

**Eye contact** Specific test data for the substance or mixture is not available. Irritating to eyes.

**Skin contact** Repeated exposure may cause skin dryness or cracking. Causes skin irritation.

**Ingestion** Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

**Symptoms** Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

#### Numerical measures of toxicity - Product Information

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

ATEmix (oral) 37,017.70 mg/kg  
ATEmix (dermal) 7,379.60 mg/kg

#### Component Information

| Chemical name   | Oral LD50            | Dermal LD50                           | Inhalation LC50         |
|---|----------------------|---------------------------------------|-------------------------|
| Toluene   | =5580 mg/kg (Rattus) | = 12000 mg/kg (Oryctolagus cuniculus) | >20 mg/L (Rattus) 4 h   |
| Naphtha, petroleum, hydrotreated light, <0.1% Benzene | >5000 mg/kg (Rattus) | > 3160 mg/kg (Oryctolagus cuniculus)  | =73680 ppm (Rattus) 4 h |

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|         |                      |                                      |                                    |
|---------|----------------------|--------------------------------------|------------------------------------|
| Acetone | =5800 mg/kg (Rattus) | >15800 mg/Kg (Rattus)                | =79 mg/l(Rattus) 4 h               |
| Pentane | >2000 mg/kg (Rattus) | = 3000 mg/kg (Oryctolagus cuniculus) | =364 g/m <sup>3</sup> (Rattus) 4 h |
| Hexane  | =25 g/kg (Rattus)    | = 3000 mg/kg (Oryctolagus cuniculus) | =48000 ppm (Rattus) 4 h            |

See section 16 for terms and abbreviations

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

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

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

**Germ cell mutagenicity** No information available.

**Carcinogenicity** Contains a known or suspected carcinogen.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name   | Australia |
|---|-----------|
| Naphtha, petroleum, hydrotreated light, <0.1% Benzene<br>64742-49-0 | Carc. 1A  |

**Reproductive toxicity** Contains a known or suspected reproductive toxin. The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

| Component Information |         |                       |
|-----------------------|---------|-----------------------|
| Toluene (108-88-3)    |         |                       |
| Method                | Species | Results               |
| OECD 407              | in vivo | Reproductive toxicant |

**STOT - single exposure** May cause drowsiness or dizziness.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.

## Section 12: Ecological information

### Ecotoxicity

#### Ecotoxicity

| Chemical name   | Algae/aquatic plants                                       | Fish  | Toxicity to Microorganisms | Crustacea   |
|---|--|---|----------------------------|---|
| Toluene<br>108-88-3   | EC50 72 h = 12.5 mg/L<br>(Pseudokirchneriella subcapitata) | LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through)<br>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) |
| Naphtha, petroleum, hydrotreated light, <0.1% Benzene<br>64742-49-0 | -  | LC50: =8.41mg/L (96h, Oncorhynchus mykiss)  | -                          | LC50: =2.6mg/L (96h, Chaetogammarus marinus)                                    |
| Acetone   | -  | LC50 96 h 4.74 - 6.33   | EC50 = 14500 mg/L 15       | EC50 48 h 10294 -   |

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|                     |   |   |     |                                      |
|---------------------|---|---|-----|--------------------------------------|
| 67-64-1             |   | mL/L (Oncorhynchus mykiss)  | min | 17704 mg/L (Daphnia magna Static)    |
| Pentane<br>109-66-0 | - | LC50: =11.59mg/L (96h, Pimephales promelas)<br>LC50: =9.87mg/L (96h, Oncorhynchus mykiss)<br>LC50: =9.99mg/L (96h, Lepomis macrochirus) | -   | EC50: =9.74mg/L (48h, Daphnia magna) |
| Hexane<br>110-54-3  | - | LC50: 2.1 - 2.98mg/L (96h, Pimephales promelas)   | -   | EC50: >1000mg/L (24h, Daphnia magna) |

## Persistence and degradability

**Persistence and degradability** No information available.

## Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

## Component Information

| Chemical name       | Partition coefficient |
|---------------------|-----------------------|
| Toluene<br>108-88-3 | 2.7                   |
| Acetone<br>67-64-1  | -0.24                 |
| Pentane<br>109-66-0 | 3.39                  |

## Mobility

**Mobility in soil** No information available.

**Mobility** No information available.

## Other Adverse Effects

**Other adverse effects** No information available.

## Endocrine Disruptor Information

## Section 13: Disposal considerations

### Waste treatment methods

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

## Section 14: Transport information

### ADG

**UN Number** UN1133  
**Proper shipping name** Adhesives  
**Hazard Class** 3  
**Packing Group** II  
**Special Provisions** \*  
**ADG Limited Quantity** 5 L

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Description UN1133, Adhesives, 3, II

Hazchem code •3YE

## IATA

UN number UN1133  
Transport hazard class(es) 3  
Packing group II  
ERG Code 3L  
Special Provisions A3  
Limited Quantity (LQ) 1 L  
Description UN1133, Adhesives, 3, II

## IMDG

UN number UN1133  
Transport hazard class(es) 3  
Packing group II  
EmS-No. F-E, S-D  
Limited Quantity (LQ) 5 L  
Marine Pollutant P  
Description UN1133, Adhesives (Naphtha, petroleum, hydrotreated light, <0.1% Benzene), 3, II, (-20°C c.c.), Marine Pollutant

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

No information available

## Section 15: Regulatory information

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

#### National Regulations

##### Australia

See section 8 for national exposure control parameters

#### Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

Poison Schedule Number S5

#### Major hazard (accident/incident planning) regulation

Verify that license requirements are met

#### Hazardous chemical

Liquids that meet the criteria for Class 3 Packing Group II or III  
Liquids with flash points <61°C kept above their boiling points at ambient conditions

#### Threshold quantity (T)

50 000  
200

#### National pollutant inventory

Subject to reporting requirement

| Chemical name       | National pollutant inventory   |
|---------------------|--|
| Toluene<br>108-88-3 | 10 tonne/yr Threshold category 1 20 MW Threshold category 2b total<br>60000 MWH Threshold category 2b total<br>1 tonne/h Threshold category 2a total<br>25 tonne/yr Threshold category 1a total<br>400 tonne/yr Threshold category 2a total<br>2000 tonne/yr Threshold category 2b total |
| Acetone             | 10 tonne/yr Threshold category 1 20 MW Threshold category  |

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|                     |   |
|---------------------|---|
| 67-64-1             | 2b total<br>60000 MWH Threshold category 2b total<br>1 tonne/h Threshold category 2a total<br>25 tonne/yr Threshold category 1a total<br>400 tonne/yr Threshold category 2a total<br>2000 tonne/yr Threshold category 2b total  |
| Pentane<br>109-66-0 | 20 MW Threshold category 2b total<br>60000 MWH Threshold category 2b total<br>1 tonne/h Threshold category 2a total<br>25 tonne/yr Threshold category 1a total<br>400 tonne/yr Threshold category 2a total<br>2000 tonne/yr Threshold category 2b total                                     |
| Hexane<br>110-54-3  | 10 tonne/yr Threshold category 1 20 MW Threshold category<br>2b total<br>60000 MWH Threshold category 2b total<br>1 tonne/h Threshold category 2a total<br>25 tonne/yr Threshold category 1a total<br>400 tonne/yr Threshold category 2a total<br>2000 tonne/yr Threshold category 2b total |

## International Inventories

|       |            |
|-------|------------|
| AICS  | Listed     |
| NZIoC | Listed     |
| ENCS  | Not Listed |
| IECSC | Listed     |
| KECL  | Listed     |
| PICCS | Listed     |

## Legend:

**AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

## International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

## **Section 16: Any other relevant information**

**Prepared By** Product Safety & Regulatory Affairs

**Issuing Date** 25-Sep-2019

**Revision date** 25-Sep-2019

## **Revision note**

The symbol (\*) in the margin of this SDS indicates that this line has been revised.

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

## **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |
| C       | Carcinogen                  |      |                                  |

**Section 11: TOXICOLOGICAL INFORMATION**

LD50 (lethal dose)

**Section 12: Ecological information**

EC50 (effective concentration)

**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**