

SAFETY DATA SHEET

BOND EX SPRAY

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Compilation date: 18-09-2014

Revision No: 1

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

1.1. Product identifier

Product name: BOND EX SPRAY

Product code: 2050

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

Use of substance / mixture: PC35: Washing and cleaning products (including solvent based products).

1.3. Details of the supplier of the safety data sheet

Company name: ProPart International B.V.

Molenakker 3

Reuver

5953 TW

The Netherlands

Tel: +31 (0) 77 476 2368

Fax: +31 (0) 77 476 2424

Email: info@propart-international.com

1.4. Emergency telephone number

Emergency tel: +31 (0) 77 476 2368 (08.30-17.00)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: F+: R12; N: R51/53; -: R66; -: R67

Classification under CLP: Flam. Aerosol 1: H222; Asp. Tox. 1: H304; Aquatic Chronic 2: H411; STOT SE 3: H336; -: H229; -: EUH066

Most important adverse effects: Extremely flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

2.2. Label elements

Label elements under CLP:

Hazard statements: H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

H304: May be fatal if swallowed and enters airways.

H411: Toxic to aquatic life with long lasting effects.

H336: May cause drowsiness or dizziness.

EUH066: Repeated exposure may cause skin dryness or cracking.

Signal words: Danger

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Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental



Precautionary statements: P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P251: Pressurized container: Do not pierce or burn, even after use.
P211: Do not spray on an open flame or other ignition source.
P273: Avoid release to the environment.
P271: Use only outdoors or in a well-ventilated area.
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P331: Do NOT induce vomiting.
P391: Collect spillage.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P403: Store in a well-ventilated place.
P501: Dispose of contents/container to waste according to local/regional/national/international regulations.

Label elements under CHIP:

Hazard symbols: Extremely flammable.

Dangerous for the environment.



Risk phrases: R12: Extremely flammable.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

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2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDROTREATED LIGHT

| EINECS | CAS | CHIP Classification | CLP Classification | Percent |
|-----------|------------|--------------------------------------|---|---------|
| 265-151-9 | 64742-49-0 | Xn: R65; F+: R12; Xi: R38; N: R51/53 | Asp. Tox. 1: H304; Flam. Liq. 1: H224; Skin Irrit. 2: H315; Aquatic Chronic 2: H411 | 87.500% |

PROPAN-2-OL

| | | | | |
|-----------|---------|-------------------------|---|--------|
| 200-661-7 | 67-63-0 | F: R11; Xi: R36; -: R67 | Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336 | 6.500% |
|-----------|---------|-------------------------|---|--------|

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|-----------|-----------|-----------------------------|---|--------|
| 215-535-7 | 1330-20-7 | -: R10; Xn: R20/21; Xi: R38 | Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315 | 2.750% |
|-----------|-----------|-----------------------------|---|--------|

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. Call a doctor immediately. Onmiddellijk een dokter waarschuwen. Appelez un docteur immédiatement. Rufen Sie sofort einen Arzt an.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Water fog. Dry chemical powder. Carbon dioxide. Alcohol resistant foam. Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Keep away from direct sunlight. Prevent the build up of electrostatic charge in the immediate area. The floor of the storage room must be impermeable to prevent the escape of liquids.

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7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

PROPAN-2-OL

Workplace exposure limits:

Respirable dust

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|-----------------------|------------------------|------------|--------------|
| UK | 999 mg/m ³ | 1250 mg/m ³ | - | - |

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| UK | 220 mg/m ³ | 441 mg/m ³ | - | - |
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DNEL/PNEC Values

BOND EX SPRAY

| Type | Exposure | Value | Population | Effect |
|------|----------------|------------------------|------------|----------|
| - | CAS 64742-49-0 | - | - | - |
| DNEL | Oral | 699 mg/kg bw/day | Consumers | Systemic |
| DNEL | Dermal | 699 mg/kg bw/day | Consumers | Systemic |
| - | - | 773 mg/kg bw/day | Workers | - |
| DNEL | Inhalation | 608 mg/m ³ | Consumers | Systemic |
| - | - | 2035 mg/m ³ | Workers | - |
| - | CAS 67-63-0 | - | - | - |
| DNEL | Oral | 26 mg/kg bw/day | Consumers | Systemic |
| DNEL | Dermal | 319 mg/kg bw/day | Consumers | Systemic |
| - | - | 888 mg/kg bw/day | Workers | - |
| DNEL | Inhalation | 89 mg/m ³ | Consumers | Systemic |
| - | - | 500 mg/m ³ | Workers | - |

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter. Filter AX/P2

Hand protection: Nitrile gloves. Kies handschoenmateriaal rekening houdend met de penetratietijden, de permeatiegraden en de degradatie. De precieze penetratietijd kunt u te weten komen bij de handschoenfabrikant; houd er rekening mee.

Eye protection: Ensure eye bath is to hand. Tightly fitting safety goggles.

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Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Colour: Colourless

Odour: Characteristic odour

Evaporation rate: Not applicable.

Solubility in water: Not / slightly miscible.

Viscosity: No data available.

Boiling point/range°C: 82

Melting point/range°C: No data available.

Flammability limits %: lower: 0.7

upper: 12.0

Flash point°C: 2

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No autoignition

Vapour pressure: 30 hPa

Relative density: No data available.

pH: No data available.

VOC g/l: 727.3 g/l - VOC-CH 97.50%

9.2. Other information

Other information: Ignition temperature: 200°C. Density: 0.746 g/cm³ (20°C). Solvent content: organic solvent: 97.5%.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

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11.1. Information on toxicological effects

Hazardous ingredients:

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| | | | | |
|-----|-----|------|------|-------|
| IVN | RAT | LD50 | 1088 | mg/kg |
| ORL | MUS | LD50 | 3600 | mg/kg |
| ORL | RAT | LD50 | 5045 | mg/kg |
| SCU | MUS | LDLO | 6 | gm/kg |

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|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 2119 | mg/kg |
| ORL | RAT | LD50 | 4300 | mg/kg |
| SCU | RAT | LD50 | 1700 | mg/kg |

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

| Species | Test | Value | Units |
|-------------------------------------|-----------|-------|-------|
| CAS 64742-49-0 | - | - | - |
| Daphnia magna | 48H EC50 | 3 | mg/l |
| Pseudokirchneriella subcapitata | 72H EL50 | 10-30 | mg/l |
| RAINBOW TROUT (Oncorhynchus mykiss) | 96H LL50 | >13.4 | mg/l |
| Daphnia magna | 21D LOEC | 0.32 | mg/l |
| Daphnia magna | 21D NOEC | 0.17 | mg/l |
| Pseudokirchneriella subcapitata | 72H NOELR | 10 | mg/l |
| CAS 67-63-0 | - | - | - |
| Daphnia magna | 24H LC50 | 9714 | mg/l |
| Pimephales promelas | 96H LC50 | 9640 | mg/l |

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12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Waterbezwaarlijkheid (NL) 1: Zwarte lijst-stof (76/464/EEG).

Gevaar voor water klasse 2 (D) (Zelfclassificatie): gevaar voor water.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Must not be disposed together with household garbage or into the sewage system. Mag niet tezamen met huisvuil gestort worden of in de riolering terechtkomen. Darf nicht zusammen mit Hausmüll entsorgt werden oder in die Kanalisation gelangen. Ne doit pas être évacué avec les ordures ménagères à pénétrer dans les canalisations.

Disposal of packaging: Uncleaned packagings: recommendation: Disposal according to official regulations. Niet gereinigde verpakkingen: aanbeveling: Afvalverwijdering volgens overheidsbepalingen. Schmutzige Behälter: empfehlung: Entsorgung gemäß den behördlichen Vorschriften.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1950

14.2. UN proper shipping name

Shipping name: AEROSOLS

14.3. Transport hazard class(es)

Transport class: 2

14.4. Packing group

[cont...]

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14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Special precautions: Warning: Gases. EMS number:F-D,S-U.

Tunnel code: D

Transport category: 2

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.

H222: Extremely flammable aerosol.

H224: Extremely flammable liquid and vapour.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H229: Pressurised container: May burst if heated

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.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

R10: Flammable.

R11: Highly flammable.

R12: Extremely flammable.

R20/21: Harmful by inhalation and in contact with skin.

R36: Irritating to eyes.

R38: Irritating to skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

[cont...]

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R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Legend to abbreviations: PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.