

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 03.12.2008

Revision: 30.08.2007

1 Identification of substance:

- **Trade name: BPW ECO A&P-Spray**
- **Application of the substance / the preparation** Lubricant
- **Manufacturer/Supplier:**
BPW Bergische Achsen KG
Postfach 1280
51656 Wiehl
Tel.: 0049(0)2262-78-0
E-Mail: INFO@BPW.de
- **Informing department:** Product safety department.
- **Emergency information:** see above

2 Hazards identification

Hazard designation:



Xi Irritant
F+ Extremely flammable

Information pertaining to particular dangers for man and environment

- R 12 Extremely flammable.
 - R 36 Irritating to eyes.
 - R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - R 67 Vapours may cause drowsiness and dizziness.
- 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.

3 Composition/information on ingredients

Chemical characterization

- **Description:** Mixture of the substances listed below with harmless additions.

Dangerous components:

CAS: 115-10-6	dimethyl ether	25-50%
EINECS: 204-065-8 F+; R 12		
CAS: 67-64-1	acetone	10-25%
EINECS: 200-662-2 Xi, F; R 11-36-66-67		
CAS: 64742-49-0	white spirit	10-25%
EINECS: 265-151-9 Xn, Xi, F, N; R 11-38-51/53-65-67		
CAS: 78-93-3	butanone	5-10%
EINECS: 201-159-0 Xi, F; R 11-36-66-67		
CAS: 141-78-6	ethyl acetate	5-10%
EINECS: 205-500-4 Xi, F; R 11-36-66-67		
CAS: 1330-20-7	xylene, mixed isomers, pure	2.5-5%
EINECS: 215-535-7 Xn, Xi; R 10-20/21-38		

4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water.

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- **After swallowing** Do not induce vomiting; instantly call for medical help.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or flue gases:**
Can be released in case of fire
Carbon monoxide (CO) and carbon dioxide (CO₂)
- **Protective equipment:** Wear self-contained breathing apparatus.

6 Accidental release measures

- **Person-related safety precautions:**
Keep away from ignition sources
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **Measures for environmental protection:**
Do not allow to enter drainage system, surface or ground water.
Do not allow to enter the ground/soil.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Dispose of contaminated material as waste according to item 13.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.
Do not spray on flames or red-hot objects.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store in cool location.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from heat and direct sunlight.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:** _____
115-10-6 dimethyl ether
OES Short-term value: 958 mg/m³, 500 ppm
Long-term value: 766 mg/m³, 400 ppm
IOELV

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141-78-6 ethyl acetate

OES Short-term value: 400 ppm
 Long-term value: 200 ppm
 Rev

67-64-1 acetone

OES Short-term value: 3620 mg/m³, 1500 ppm
 Long-term value: 1210 mg/m³, 500 ppm
 IOELV

- **Additional information:**

The currently valid safety information database was used to compile this data sheet.

- **Personal protective equipment**

- **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.
 Instantly remove any soiled and impregnated garments.
 Wash hands during breaks and at the end of the work.
 Avoid contact with the eyes and skin.

- **Breathing equipment:** Not necessary if room is well-ventilated.

- **Protection of hands:** Protective gloves.

- **Material of gloves:** Nitrile rubber, NBR

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses

9 Physical and chemical properties:

- **General Information**

Form: Aerosol
Colour: White
Smell: Solvent-like

- **Change in condition**

Melting point/Melting range: Not determined
Boiling point/Boiling range: Not applicable, as aerosol

- **Flash point:** Not applicable, as aerosol

- **Self-inflammability:** Product is not self igniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

- **Critical values for explosion:**

Lower: 1.0 Vol %
Upper: 13.0 Vol %

- **Density** Not determined

- **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

- **Dangerous reactions:** Forms explosive gas mixture with air

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- **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.

12 Ecological information:

- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**
16 05 04 gases in pressure containers (including halons) containing dangerous substances
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** 2 5F Gases.
- **Kemler Number:** -
- **UN-Number:** 1950
- **Packaging group:** -
- **Label** 2.1
- **Designation of goods:** 1950 AEROSOLS
- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** 2.1
- **UN Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Correct technical name:** AEROSOLS
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label** 2.1
- **Packaging group:** -

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· **Correct technical name:** AEROSOLS, flammable

15 Regulatory information

· **Designation according to EC guidelines:**· **Code letter and hazard designation of product:**

Xi Irritant
F+ Extremely flammable

· **Risk phrases:**

- 12 Extremely flammable.
- 36 Irritating to eyes.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

- 2 Keep out of the reach of children.
- 9 Keep container in a well-ventilated place.
- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe aerosol.
- 51 Use only in well-ventilated areas.
- 60 This material and its container must be disposed of as hazardous waste.

· **Special designation of certain preparations:**

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.

· **National regulations**· **Technical instructions (air):**· **Class Share in %**

- II 1-5
- III 25-50
- NK 30-60

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

- 10 Flammable.
- 11 Highly flammable.
- 12 Extremely flammable.
- 20/21 Harmful by inhalation and in contact with skin.
- 36 Irritating to eyes.
- 38 Irritating to skin.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.