

SAFETY DATA SHEET

Aerosol 2K HB Primer

Date: 26-06-2017

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SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

1.1 Product Identifier

Product name: Aerosol 2K HB Primer
Product Code: FL6001

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

Intended use: For Industrial spraying.

1.3 Details of supplier of the safety data sheet

Details of company: FLP Group
Unit 1 Clayfields Industrial Estate
Tickhill Road
Doncaster
DN4 8QG
+44 (0) 1302 571571
sales@flpgroup.co.uk

1.4 Emergency telephone number

Emergency Tel: +44 (0) 1302 571571

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification under CLP: Aerosol 1. H222-H229; Eye Irrit. 2. H319; STOT SE 3. H336;

2.2 Label elements

Hazard statements: H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
Signal words: Warning
Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark



Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P271 Use only outdoors or in a well-ventilated area.
P102 Keep out of reach of children.
P260 Do not breathe vapour/spray.
P501 Dispose of contents/container in accordance with local regulations.

Contains:

acetone, butyl acetate-norm

2.3 Other hazards

Other hazards: No other known hazards.
PBT: This substance is not identified as a PBT substance.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

EC	CAS	CLP Classification	Percent
Dimethyl ether REACH registration number: 01-2119472128-37			
204-065-8	115-10-6	Flam. Gas 1 - H220	30-60%
Acetone REACH registration number: 01-2119471330-49			
200-662-2	67-64-1	Flam. Liq. 2 - H225; Eye Irrit. 2 - H319; STOT SE 3 - H336	10-30%
BUTYL ACETATE –norm REACH registration number: 01-2119485493-29			
204-658-1	123-86-4	Flam. Liq. 3 - H226; STOT SE 3 - H336	5-10%
XYLENE REACH registration number: 01-2119488216-32			
215-535-7	1330-20-7	Flam. Liq. 3 - H226; Acute Tox. 4 - H312; Acute Tox. 4 - H332; Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; STOT SE 3 - H335; STOT RE 2 - H373; Asp. Tox. 1 - H304; Aquatic Chronic 3 - H412	1-5%
ETHYLBENZENE REACH registration number: 01-2119489370-35			
202-849-4	100-41-4	Flam. Liq. 2 - H225; Acute Tox. 4 - H332; STOT RE 2 - H373; Asp. Tox. 1 - H304; Aquatic Chronic 3 - H412	<1%

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information:	Move affected person to fresh air at once.
Skin contact:	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact:	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes.
Ingestion:	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
Inhalation:	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

The severity of the symptoms described will vary dependent on the concentration and the length of exposure

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.

5.2 Special hazards arising from the substance or mixture

Extremely flammable. Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Containers can burst violently or explode when heated, due to excessive pressure build-up.

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5.3 Advice for fire-fighters

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Warn firefighters that aerosols are involved.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.

6.2 Environmental precautions

Environmental precautions: Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb spillage with non-combustible, absorbent material.

6.4 Reference to other sections

Reference to other sections: For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: HANDLING & STORAGE

7.1 Precautions for safe handling

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Do not spray on a naked flame or any incandescent material. Eliminate all sources of ignition

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

7.3 Specific end use(s)

Specific end use(s): See chapter 1.2.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

DIMETHYL ETHER

Long-term exposure limit (8-hour TWA): WEL 400 ppm 766 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 958 mg/m³

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

BUTYL ACETATE -norm

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m³

Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m³

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³Sk

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm (Sk) 441 mg/m³ (Sk)

Short-term exposure limit (15-minute): WEL 125 ppm (Sk) 552 mg/m³ (Sk)

DNEL Workers - Inhalation; Long term systemic effects: 1894 mg/m³
Consumer - Inhalation; Long term systemic effects: 471 mg/m³

PNEC - Fresh water; 0.155 mg/l
- Marine water; 0.016 mg/l
- Water, Intermittent release; 1.549 mg/l
- Water, STP; 160 mg/l
- Sediment (Freshwater); 0.681 mg/l
- Sediment (Marine water); 0.069 mg/l
- Soil; 0.045 mg/l

BUTYL ACETATE -norm (CAS: 123-86-4)

DNEL Workers - Inhalation; Short term systemic effects: 960 mg/m³
Workers - Inhalation; Short term local effects: 960 mg/m³
Workers - Inhalation; Long term systemic effects: 480 mg/m³
Workers - Inhalation; Long term local effects: 480 mg/m³
General population - Inhalation; Short term systemic effects: 859.7 mg/m³
General population - Inhalation; Short term local effects: 859.7 mg/m³
Workers - Inhalation; Long term systemic effects: 102.34 mg/m³
General population - Inhalation; Long term local effects: 102.34 mg/m³

PNEC - Fresh water; 0.18 mg/l
- Marine water; 0.18 mg/l
- Intermittent release; 0.36 mg/l
- STP; 35.6 mg/l
- Sediment (Freshwater); 0.981 mg/kg
- Sediment (Marine water); 0.0981 mg/l
- Soil; 0.0903 mg/kg

XYLENE (CAS: 1330-20-7)

DNEL Consumer - Oral; Long term systemic effects: 12.5 mg/kg/day
Consumer - Dermal; Long term systemic effects: 1872 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 65.3 mg/m³
Consumer - Inhalation; Short term: 260 mg/m³
Industry - Dermal; Long term systemic effects: 3182 mg/kg/day
Industry - Inhalation; Long term systemic effects: 221 mg/m³
Industry - Inhalation; Short term: 442 mg/m³

PNEC This product is a UVCB substance and its composition will be variable, so reported properties may vary or require a range of values to describe them.
- Fresh water; 0.327 mg/l
- Marine water; 0.327 mg/l
- Intermittent release; 0.327 mg/l
- STP; 6.58 mg/l
- Sediment (Freshwater); 12.46 mg/kg
- Sediment (Marine water); 12.46 mg/kg
- Soil; 2.31 mg/kg

TOLUENE (CAS: 108-88-3)

DNEL General Population - Inhalation: 226 mg/m³

PNEC - Fresh water; 0.68 mg/l
- Marine water; 0.68 mg/l
- Soil; 2.89 mg/kg

8.2 Exposure controls

Appropriate engineering controls: Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

Personal protection when using do not smoke.

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Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.
Hand protection	Due to the packaging form, aerosol, and risk of skin contact is small. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Hygiene measures	Wash hands after handling. Wash promptly if skin becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate hand lotion to prevent defatting and cracking of skin.
Respiratory protection	if ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Various.
Odour	Organic solvents.
Flash point	< -40°C
Upper/lower flammability or explosive limits	
Lower:	1.8%
Upper:	9.5%
Auto-ignition temperature	410-580°C
Comments	Information given is applicable to the major ingredient.

9.2 Other information

Other information	not available.
Volatile organic compound	this product contains a maximum VOC content of 663 g/L.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable at normal ambient temperatures and when used as recommended

10.2 Chemical stability

Avoid the following conditions: Heat, sparks, flames.

10.3 Possibilities of hazardous reactions

Does not decompose when used and stored as recommended.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight

10.5 Incompatible materials

Keep away from oxidising materials, heat and flames

10.6 Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours

SECTION 11: TOXICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - dermal

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ATE dermal (mg/kg) 23,060.8

Acute toxicity - inhalation

ATE inhalation (gases ppm) 104,821.8

ATE inhalation (vapours mg/l) 568.64

General information

deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

Inhalation

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

Irritating to eyes. Vapour or spray in the eyes may cause irritation and smarting. Repeated exposure may cause chronic eye irritation.

Acute and chronic health hazards

Arrhythmia (deviation from normal heart beat). In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Route of entry

Inhalation

Target organs

Central nervous system Respiratory system, lungs

Medical symptoms

Arrhythmia (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness. Skin irritation.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not applicable

12.2 Persistence and degradability

Not applicable

12.3 Bio accumulative potential

Not applicable

12.4 Mobility in soil

Not applicable

12.5 Results of PBT and vPvB assessment

Not available

12.6 Other adverse effects

None

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

General information

do not puncture or incinerate, even when empty.

Disposal methods

dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion..

SECTION 14: TRANSPORTATION INFORMATION

General: This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

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14.1 UN number

ADR-UN Number: 1950
IATA-UN Number: 1950
IMDG-UN Number: 1950

14.2 UN proper shipping name

ADR-Shipping Name: AEROSOLS
IATA-Shipping Name: AEROSOLS
IMDG-Shipping Name: AEROSOLS

14.3 Transport hazard class

ADR/RID class 2.1
ADR/RID label 3
IMDG class 2.1
ICAO class/division 2.1

14.4 Packaging group

ADR-Packing Group: -
IATA-Packing group: -
IMDG-Packing group: -

14.5 Environmental hazards

ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No

14.6 Special precautions for user

Tunnel restriction code (D).

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

Not applicable

SECTION 15: REGULATORY INFORMATION

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

National regulations: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU legislation: Commission Regulation (EU) No 453/2010 of 20 May 2010.
Guidance: Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. British Aerosol Manufacturers Code of Practice 7th. Edition 1999

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: 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 section 3:

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
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.

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Legal disclaimer:

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.
H412 Harmful to aquatic life with long lasting effects.
The above information is believed to be correct but does not support 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.