

SAFETY DATA SHEET

ENGINEERING & WELDING FLAWFINDER DEVELOPER 500ML

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Compilation date: 05/06/2015

Revision date: 12/01/2021

Revision No: 2

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

1.1. Product identifier

Product name: ENGINEERING & WELDING FLAWFINDER DEVELOPER 500ML

Product code: DEV500ENG

Synonyms: 000769097120

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

1.3. Details of the supplier of the safety data sheet

Company name: Specialised Aerosols Company Limited

Carr Green Lane

Mapplewell

Barnsley

South Yorkshire

S75 6DY

Tel: 01226 387101

Fax: 01226 387100

Email: sales@specialised-aerosols.co.uk

1.4. Emergency telephone number

Emergency tel: 07836317118

Section 2: Hazards identification

2.1. Classification of the substance or mixture

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

Most important adverse effects: Extremely flammable aerosol. Causes serious eye irritation. May cause drowsiness or dizziness.

2.2. Label elements

Label elements:

Hazard statements: H222: Extremely flammable aerosol.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark



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Signal words: Danger

Precautionary statements: P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Dispose of contents/container to in accordance with local regulations.

P337+P313: If eye irritation persists: Get medical advice/attention.

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:

ACETONE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-662-2	67-64-1	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	30-60%

PROPAN-2-OL

200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	10-20%
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BUTANE

203-448-7	106-97-8	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-20%
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PROPANE

200-827-9	74-98-6	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-20%
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ISOBUTANE

200-857-2	75-28-5	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	5-10%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Get medical attention if any discomfort continues. Prolonged skin contact may cause redness and irritation.

Eye contact: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes

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with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. Irritating and may cause redness and pain.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues. Due to the physical nature of this material it is likely that swallowing will occur.

Inhalation: Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.

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

Skin contact: Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause allergic contact eczema. May cause sensitisation by skin contact. Irritating to skin.

Eye contact: Irritating to eyes. May cause chemical eye burns.

Ingestion: May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.

Inhalation: May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. Irritating to respiratory system.

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: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use; Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: When heated, vapours/gases hazardous to health may be formed. Aerosol cans may explode in fires. Aerosol containers can explode when heated, due to excessive pressure build-up.

5.3. Advice for fire-fighters

Advice for fire-fighters: Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours. Wear full protective clothing.

Section 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Follow precautions for safe handling described in this safety data sheet. Wear protective gloves. Do not smoke, use open fire or other sources of ignition. Avoid inhalation of vapours and aerosol spray. Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions: Not relevant considering the small amounts used.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leaking cannot be stopped, evacuate area.

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: Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50C. Store in a cool and well-ventilated place. Store in accordance with the advice of insurers and/or relevant authority. Store in a dry, well ventilated, moisture free area.

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:

ACETONE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1810 mg/m ³	3620 mg/m ³	-	-

PROPAN-2-OL

UK	999 mg/m ³	1250 mg/m ³	-	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Provide adequate general and local exhaust ventilation.

Respiratory protection: No specific recommendations made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL). Use chemical cartridge protection with appropriate cartridge.

Hand protection: Protective gloves.

Eye protection: Safety goggles. Face-shield.

Skin protection: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Environmental: DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Colour: Varying.

Odour: Ketonic. Characteristic of a solvent based paint product.

Solubility in water: Immiscible or slightly miscible with water.

Flammability limits % lower: 0.8

upper: 9.0

Flash point°C: <23

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: The product may form explosive vapours/air mixtures even at normal room temperatures.

10.2. Chemical stability

Chemical stability: Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous reactions: No data available.

10.4. Conditions to avoid

Conditions to avoid: Heat. Flames. Sources of ignition.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong alkalis. Strong mineral acids. Strong acids.

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10.6. Hazardous decomposition products

Haz. decomp. products: Fire creates: vapours/gasses/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).
Avoid exposing aerosol containers to high temperatures or direct sunlight.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ACETONE

IVN	RAT	LD50	5500	mg/kg
ORL	MUS	LD50	3000	mg/kg
ORL	RAT	LD50	5800	mg/kg

PROPAN-2-OL

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

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause allergic contact eczema. May cause sensitisation by skin contact. Irritating to skin.

Eye contact: Irritating to eyes. May cause chemical eye burns.

Ingestion: May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.

Inhalation: May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. Irritating to respiratory system.

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

Other information: Route of entry. Inhalation. Skin and/or eye contact. Ingestion.

Section 12: Ecological information

12.1. Toxicity

[cont...]

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Hazardous ingredients:

ACETONE

BLUEGILL (<i>Lepomis macrochirus</i>)	LC50	8300	mg/l
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12.2. Persistence and degradability

Persistence and degradability: The majority of the constituents are readily degradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

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: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements. Industrial and institutional users should dispose of aerosols through a registered waste disposal company.

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

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

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14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D

Transport category: 2

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* 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.

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

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.