



SAFETY DATA SHEET

Evo 1

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name Evo 1
Product number 235-1

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

Identified uses Car maintenance product. - Polish.
Uses advised against For professional use only. This product is not recommended for any industrial, professional or consumer use other than the Identified uses above.

1.3. Details of the supplier of the safety data sheet

Supplier Autosmart International Ltd
Lynn Lane,
Shenstone, nr Lichfield
Staffordshire. WS14 0DH
England
www.autosmartinternational.com
Tel: +44 (0) 1543 481616 (09:00 - 17:00)
Fax: +44 (0) 1543 481549 (09:00 - 17:00)
info@autosmartinternational.com

Contact person Mr. Russell Butler

Manufacturer

1.4. Emergency telephone number

Emergency telephone Mob: +44 (0) 7808 971321 (24hrs)
Tel: +44 (0) 1543 481616 (09:00 - 17:00)
Fax: +44 (0) 1543 481549 (09:00 - 17:00)

If you urgently need medical help or advice but it's not a life-threatening situation, call 111 free from any phone to speak to an NHS adviser. The 24-hour NHS 111 service can give you healthcare advice or direct you to the local service that can help you best.

The NHS 111 service will also be available via the harmonised European number for medical advice 116 117

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Not Classified

Health hazards

Elicitation (Skin Sens.)

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

Environmental

The product is not expected to be hazardous to the environment.

Physicochemical

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Not considered to be a significant hazard due to the small quantities used.

2.2. Label elements**Hazard statements**

EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

Precautionary statements

P280 Wear protective gloves.

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

Detergent labelling

< 5% anionic surfactants, < 5% non-ionic surfactants, Contains BRONOPOL (INN), 1,2-BENZISOTHIAZOL-3(2H)-ONE, 2-methyl-2H-isothiazol-3-one

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Distillates (petroleum), hydrotreated light.	30-60%
CAS number: 64742-47-8 EC number: 265-149-8 REACH registration number: 01-2119484819-18-XXXX Substance with a Community workplace exposure limit.	
Classification Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn;R65. R66.
Aluminium oxide	15-20%
CAS number: 1344-28-1 EC number: 215-691-6 REACH registration number: 01-2119529248-35-xxxx	
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) -
White Mineral Oil (Petroleum)	5-10%
CAS number: 8042-47-5 EC number: 232-455-8 REACH registration number: 01-2119487078-27-xxxx Substance with National workplace exposure limits.	
Classification Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) -
Aluminium Silicate	2-5%
CAS number: 1332-58-7 EC number: 310-194-1 REACH registration number: - Substance with a Community workplace exposure limit.	
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) -
C9-11 Alcohol 12EO	0.7-1.0%
CAS number: 68439-46-3 EC number: -	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation**

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

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Ingestion

Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if any discomfort continues.

Skin contact

Wash skin thoroughly with soap and water. Use suitable lotion to moisturise skin. Get medical attention if any discomfort continues.

Eye contact

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information

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

Inhalation

Headache.

Ingestion

May cause stomach pain or vomiting.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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

Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Oxides of the following substances: Carbon. No unusual fire or explosion hazards noted.

Hazardous combustion products

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting

No specific firefighting precautions known.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery.

6.4. Reference to other sections

Reference to other sections

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For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Avoid spilling. Avoid contact with skin and eyes. Avoid inhalation of vapours. During application and drying, solvent vapours will be emitted.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class

Chemical storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Distillates (petroleum), hydrotreated light.

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m³

Short-term exposure limit (15-minute): WEL

Aluminium oxide

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

Short-term exposure limit (15-minute): WEL

White Mineral Oil (Petroleum)

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

Short-term exposure limit (15-minute): WEL 10 mg/m³

Aluminium Silicate

Long-term exposure limit (8-hour TWA): WEL 2 mg/m³

WEL = Workplace Exposure Limit

Distillates (petroleum), hydrotreated light. (CAS: 64742-47-8)

DNEL Consumer - Oral; Long term : 19 mg/kg/day

Aluminium oxide (CAS: 1344-28-1)

DNEL - Inhalation; Long term : 3 mg/m³

C9-11 Alcohol 12EO (CAS: 68439-46-3)

Ingredient comments

No exposure limits known for ingredient(s).

Oleic Acid (CAS: 112-80-1)

Ingredient comments

No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

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.

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Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Nitrile rubber. Neoprene. 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.

Other skin and body protection

Provide eyewash station.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Viscous liquid. Emulsion.

Colour

White.

Odour

Organic solvents.

Odour threshold

Not available. Not available.

pH

Not applicable. Not applicable.

Melting point

~ 0°C

Initial boiling point and range

Not available. °C @

Flash point

62°C CC (Closed cup).

Evaporation rate

Not available.

Upper/lower flammability or explosive limits

Not available. : :

Vapour pressure

Not available.

Vapour density

Not available.

Relative density

1.070 @ (20°C)°C

Solubility(ies)

Slightly soluble in water.

Partition coefficient

Not available.

Auto-ignition temperature

Not available.

Decomposition Temperature

Not available.

Viscosity

~ 1 cSt @ 20°C

Oxidising properties

Not applicable.

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Comments

Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

9.2. Other information

Volatile organic compound

This product contains a maximum VOC content of 362 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Not applicable. Will not polymerise.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other health effects

There is no evidence that the product can cause cancer.

Skin corrosion/irritation

Human skin model test

Scientifically unjustified.

Extreme pH

Not applicable.

General information

This product has low toxicity. Only large quantities are likely to have adverse effects on human health. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

Vapour may irritate respiratory system/lungs.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause defatting of the skin but is not an irritant.

Eye contact

May cause temporary eye irritation.

Acute and chronic health hazards

This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Route of entry

Ingestion.

Medical symptoms

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Medical considerations

Not known.

Toxicological information on ingredients.

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Distillates (petroleum), hydrotreated light.

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)

5,000

Species

Rat

Acute toxicity - dermal

Acute toxicity dermal (LD mg/kg)

2000

Species

Rabbit

Skin corrosion/irritation

Animal data

Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating.

Human skin model test

Not available.

Serious eye damage/irritation

Not irritating.

Respiratory sensitisation

There is no evidence that the material can lead to respiratory hypersensitivity.

Skin sensitisation

Buehler test: - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro

: Negative. This substance has no evidence of mutagenic properties.

Genotoxicity - in vivo

: Negative. This substance has no evidence of mutagenic properties.

Carcinogenicity

There is no evidence that the product can cause cancer.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

NOAEL 750 mg/kg, Oral, Rat

Inhalation

No specific health hazards known.

Ingestion

Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact

No specific health hazards known. Not a skin sensitiser.

Eye contact

No specific health hazards known.

Medical symptoms

Skin irritation.

Aluminium oxide

Toxicological effects

No data recorded.

Other health effects

There is no evidence that the product can cause cancer.

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White Mineral Oil (Petroleum)

Other health effects

There is no evidence that the product can cause cancer.

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)

2,000

Species

Rat

Acute toxicity - dermal

Acute toxicity dermal (LD mg/kg)

2000

Species

Rabbit

Respiratory sensitisation

Not sensitising.

Skin sensitisation

Not sensitising.

C9-11 Alcohol 12EO

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)

1.5

SECTION 12: Ecological Information

Ecotoxicity

No negative effects on the aquatic environment are known. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated light.

Ecotoxicity

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

White Mineral Oil (Petroleum)

Ecotoxicity

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Acute toxicity - fish

Not determined.

Acute toxicity - aquatic invertebrates

Not determined.

Acute toxicity - aquatic plants

Not determined.

Acute toxicity - microorganisms

Not determined.

Acute toxicity - terrestrial

Not determined.

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Ecological information on ingredients.

Distillates (petroleum), hydrotreated light.

Acute toxicity - fish

LC , 96 hours: > 2-5 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC , 48 hours: 1.4 mg/l, Daphnia magna

Acute toxicity - aquatic plants

IC , 72 hours: 1-3 mg/l, Algae

White Mineral Oil (Petroleum)

Acute toxicity - fish

LC50, 96 hours: > 400 000 , Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates

, 96 hours: > 500 000 , Marinewater invertebrates

C9-11 Alcohol 12EO

Acute toxicity - fish

LC , 96 hours: >1 mg/l, Fish

12.2. Persistence and degradability

Persistence and degradability

The product contains mainly inorganic substances which are not biodegradable. The other substances in the product are expected to be readily biodegradable.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated light.

Persistence and degradability

Volatile substances are degraded in the atmosphere within a few days.

Aluminium oxide

Persistence and degradability

The product is not biodegradable.

White Mineral Oil (Petroleum)

Persistence and degradability

The product is expected to be slowly biodegradable.

C9-11 Alcohol 12EO

Persistence and degradability

The product is biodegradable.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient

Not available.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated light.

Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

Aluminium oxide

Accumulates in soil and sediment.

White Mineral Oil (Petroleum)

The product does not contain any substances expected to be bioaccumulating.

C9-11 Alcohol 12EO

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is partly

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miscible with water and may spread in the aquatic environment.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated light.

Mobility

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is insoluble in water and will spread on the water surface.

Henry's law constant

Not available.

Aluminium oxide

Mobility

Not considered mobile.

White Mineral Oil (Petroleum)

Mobility

The product is insoluble in water and will spread on the water surface.

C9-11 Alcohol 12EO

Mobility

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated light.

This substance is not classified as PBT or vPvB according to current EU criteria.

White Mineral Oil (Petroleum)

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

The packaging must be empty (drop-free when inverted).

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Packaging: Reuse or recycle products wherever possible.

SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

UN No. (IMDG)

UN No. (ICAO)

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

ADR/RID class

ADR/RID subsidiary risk

ADR/RID label

IMDG class

Evo 1**IMDG subsidiary risk****ICAO class/division****ICAO subsidiary risk****Transport labels****14.4. Packing group**

Not applicable.

ADR/RID packing group**IMDG packing group****ICAO packing group****14.5. Environmental hazards****Environmentally hazardous substance/marine pollutant**

No.

14.6. Special precautions for user

Not applicable.

EmS**Emergency Action Code****Hazard Identification Number****(ADR/RID)****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**

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

EU legislation

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

Water hazard classification

WGK 1

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information**General information**

This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems. Only trained personnel should use this material.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued by

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Evo 1**Revision date** 09/03/2015**Revision** 1**Supersedes date** 23/05/2013**SDS status** Approved.**Risk phrases in full**

NC Not classified.

R22 Harmful if swallowed.

R41 Risk of serious damage to eyes.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

Hazard statements in full

EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

H304 May be fatal if swallowed and enters airways.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.