

SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

All in one universal cleaner

Creation date 14. March 2019
Revision date Version 1.0

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

- 1.1. Product identifier**
Substance / mixture All in one universal cleaner
mixture
Number 000096301C
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use Cleaning agent.
- The use descriptors**
C Consumer use
- Mixture uses advised against The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
- Supplier**
Name or trade name ŠKODA AUTO a.s.
Address tř. Václava Klementa 869, Mladá Boleslav II, 293 01
Czech Republic
VAT Reg No CZ00177041
Phone +420 326 811 111
E-mail msds@skoda-auto.cz
Web address www.skoda-auto.cz
- Competent person responsible for the safety data sheet**
Name Ing. Tadeáš Narovec
E-mail tadeas.narovec@skoda-auto.cz
- 1.4. Emergency telephone number**
National Health Service (NHS) 111
National poisoning information centre Scotland, NHS 24: 111

SECTION 2: Hazards identification

- 2.1. Substance or mixture classification**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
The mixture is classified as dangerous.

Skin Sens. 1A, H317

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse effects on human health and the environment

May cause an allergic skin reaction.

- 2.2. Label elements**
Hazard pictogram



Signal word
Warning

Hazardous substances

2-methyl-2,3-dihydro-1,2-thiazol-3-one

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.

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P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container to in accordance with local/regional/national/international regulations.

2.3. Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note. |
|---|--|---------------------|--|-------|
| CAS: 2682-20-4 EC: 220-239-6 Registration number: 01-2120764690-50 | 2-methyl-2,3-dihydro-1,2-thiazol-3-one | <0.01 | Acute Tox. 3, H301+H311 Skin Corr. 1B, H314 Skin Sens. 1A, H317 Acute Tox. 2, H330 Aquatic Acute 1, H400, M=10 Aquatic Chronic 1, H410, M=1 Specific concentration limit: Skin Sens. 1A, H317: C ≥ 0,0015 % | |

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

Inhalation

Terminate the exposure immediately; move the affected person to fresh air.

Skin contact

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

Eye contact

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

Ingestion

Rinse out the mouth with clean water. In the event of issues, find medical help.

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

Inhalation

Not expected.

Skin contact

May cause an allergic skin reaction.

Eye contact

Not expected.

Ingestion

Irritation, nausea.

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

Symptomatic treatment.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

none

8.2. Exposure controls

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

It is not needed.

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

Respiratory protection

It is not needed.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---|
| Appearance | liquid |
| Physical state | liquid at 20°C |
| color | colourless |
| Odour | data not available |
| Odour threshold | data not available |
| pH | 6.5 (undiluted at 20 °C) |
| Melting point/freezing point | data not available |
| Initial boiling point and boiling range | >100 °C |
| Flash point | data not available |
| Evaporation rate | data not available |
| Flammability (solid, gas) | data not available |
| Upper/lower flammability or explosive limits | |
| flammability limits | data not available |
| explosive limits | data not available |
| Vapour pressure | data not available |
| Vapour density | data not available |
| Relative density | data not available |
| Solubility(ies) | |
| solubility in water | miscible |
| solubility in fats | data not available |
| Partition coefficient: n-octanol/water | data not available |
| Auto-ignition temperature | data not available |
| Decomposition temperature | data not available |
| Viscosity | data not available |
| Explosive properties | The product does not have explosive properties. |
| Oxidising properties | data not available |
| data not available | |

9.2. Other information

| | |
|----------------------|------------------------------|
| Density | 1 g/cm ³ at 20 °C |
| ignition temperature | data not available |
| none | |

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No toxicological data is available for the mixture.

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Acute toxicity

Based on available data the classification criteria are not met.

2-methyl-2,3-dihydro-1,2-thiazol-3-one

| Route of exposure | Parameter | Method | Value | Time of exposure | Species | Sex |
|------------------------|------------------|----------|-----------|------------------|----------------------------------|-----|
| Oral | LD ₅₀ | | 120 mg/kg | | Rat (<i>Rattus norvegicus</i>) | |
| Inhalation (dust/mist) | LC ₅₀ | OECD 403 | 0.11 mg/l | 4 hour | Rat (<i>Rattus norvegicus</i>) | |
| Dermal | LD ₅₀ | OECD 402 | 242 mg/kg | | Rat (<i>Rattus norvegicus</i>) | |

Skin corrosion/irritation

Based on available data the classification criteria are not met.

2-methyl-2,3-dihydro-1,2-thiazol-3-one

| Route of exposure | Result | Time of exposure | Species |
|-------------------|---------|------------------|---------|
| Dermal | Caustic | | |

Serious eye damage/irritation

Based on available data the classification criteria are not met.

2-methyl-2,3-dihydro-1,2-thiazol-3-one

| Route of exposure | Result | Time of exposure | Species |
|-------------------|--------------------|------------------|---------|
| | Serious eye damage | | |

Respiratory or skin sensitisation

May cause an allergic skin reaction.

2-methyl-2,3-dihydro-1,2-thiazol-3-one

| Route of exposure | Result | Time of exposure | Species | Sex |
|-------------------|-------------|------------------|---------|-----|
| Dermal | Sensitizing | | | |

Germ cell mutagenicity

Based on available data the classification criteria are not met.

2-methyl-2,3-dihydro-1,2-thiazol-3-one

| Result | Method | Time of exposure | Specific target organ | Species | Sex |
|----------|----------|------------------|-----------------------|----------------------------------|-----|
| Negative | in vitro | | | | |
| Negative | OECD 486 | | | Rat (<i>Rattus norvegicus</i>) | |

Carcinogenicity

Based on available data the classification criteria are not met.

2-methyl-2,3-dihydro-1,2-thiazol-3-one

| Route of exposure | Parameter | Method | Value | Specific target organ | Result | Species | Sex |
|-------------------|-----------|----------|-------|-----------------------|----------|----------------------------------|-----|
| Oral | | OECD 416 | | | Negative | Rat (<i>Rattus norvegicus</i>) | |
| Oral | | OECD 414 | | Fetus | Negative | Rat (<i>Rattus norvegicus</i>) | |

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Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Data for the mixture are not available.

2-methyl-2,3-dihydro-1,2-thiazol-3-one

| Parameter | Value | Time of exposure | Species | Environment |
|-------------------|---------------|------------------|------------------------------|-------------|
| LC ₅₀ | 4.77-6 mg/l | 96 hour | Fishes (Oncorhynchus mykiss) | Freshwater |
| EC ₅₀ | 0.93-1.9 mg/l | 48 hour | Daphnia (Daphnia magna) | Freshwater |
| ErC ₅₀ | 0.0695 mg/l | 24 hour | Algae (Skeletonema costatum) | Salt water |

Chronic toxicity

2-methyl-2,3-dihydro-1,2-thiazol-3-one

| Parameter | Value | Time of exposure | Species | Environment |
|-----------|------------|------------------|------------------------------|-------------|
| NOEC | 2.1 mg/ml | 33 day | Fishes (Pimephales promelas) | |
| NOEC | 0.04 mg/kg | 21 day | Daphnia (Daphnia magna) | Freshwater |

12.2. Persistence and degradability

Biodegradability

2-methyl-2,3-dihydro-1,2-thiazol-3-one

| Parameter | Value | Time of exposure | Environment | Result |
|-----------|-------|------------------|-------------|----------------------|
| | | | | Hardly biodegradable |

Data not available.

12.3. Bioaccumulative potential

2-methyl-2,3-dihydro-1,2-thiazol-3-one

| Parameter | Value | Time of exposure | Species | Environment | Surrounding temperature [°C] |
|-----------|-------|------------------|---------|-------------|------------------------------|
| Log Pow | -0.34 | | | | |

Not available.

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12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

07 01 04 other organic solvents, washing liquids and mother liquors

Packaging waste type code

15 01 10 packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1. UN number

Not subject to ADR.

14.2. UN proper shipping name

not available

14.3. Transport hazard class(es)

not available

14.4. Packing group

not available

14.5. Environmental hazards

not available

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not available

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

15.2. Chemical safety assessment

not available

SECTION 16: Other information

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A list of standard risk phrases used in the safety data sheet

| | |
|-----------|---|
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H330 | Fatal if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H301+H311 | Toxic if swallowed or in contact with skin. |

Guidelines for safe handling used in the safety data sheet

| | |
|-----------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P280 | Wear protective gloves. |
| P302+P352 | IF ON SKIN: Wash with plenty of water and soap. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P501 | Dispose of contents/container to in accordance with local/regional/national/international regulations. |

A list of additional standard phrases used in the safety data sheet

| | |
|---------|-------------------------------------|
| EUH 071 | Corrosive to the respiratory tract. |
|---------|-------------------------------------|

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

| | |
|------------------|---|
| ADR | European agreement concerning the international carriage of dangerous goods by road |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| DNEL | Derived no-effect level |
| EC | Identification code for each substance listed in EINECS |
| EC ₅₀ | Concentration of a substance when it is affected 50% of the population |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EmS | Emergency plan |
| EU | European Union |
| IATA | International Air Transport Association |
| IBC | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals |
| IC ₅₀ | Concentration causing 50% blockade |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| INCI | International Nomenclature of Cosmetic Ingredients |
| ISO | International Organization for Standardization |
| IUPAC | International Union of Pure and Applied Chemistry |
| LC ₅₀ | Lethal concentration of a substance in which it can be expected death of 50% of the population |
| LD ₅₀ | Lethal dose of a substance in which it can be expected death of 50% of the population |
| LOAEC | Lowest observed adverse effect concentration |
| LOAEL | Lowest observed adverse effect level |
| log Kow | Octanol-water partition coefficient |
| MARPOL | International Convention for the Prevention of Pollution From Ships |
| NOAEC | No observed adverse effect concentration |
| NOAEL | No observed adverse effect level |
| NOEC | No observed effect concentration |
| NOEL | No observed effect level |
| OEL | Occupational Exposure Limits |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted no-effect concentration |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |

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| | |
|-----------------|---|
| RID | Agreement on the transport of dangerous goods by rail |
| UN | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB | Substances of unknown or variable composition, complex reaction products or biological materials |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and very Bioaccumulative |
| Acute Tox. | Acute toxicity |
| Aquatic Acute | Hazardous to the aquatic environment |
| Aquatic Chronic | Hazardous to the aquatic environment |
| Skin Corr. | Skin corrosion |
| Skin Sens. | Skin sensitization |

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. First aid principles after the exposure to the chemicals (Zásady pro poskytování první pomoci při expozici chemickým látkám, doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.