

Safety Data Sheet

according to Regulation (EC) No 1907/2006

ATIS CABLESKIN PRIMER P

Print date: 23.06.2014

Product code: G_ATIS_Primer_P

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

1.1. Product identifier

ATIS CABLESKIN PRIMER P

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

Use of the substance/mixture

PC 1 ; PC 9a ; PC 14 ; SU 19 ; AC 13

1.3. Details of the supplier of the safety data sheet

| | | |
|-------------------------|--------------------|------------------------|
| Company name: | DENSO GmbH | |
| Street: | Felderstr. 24 | |
| Place: | D-51371 Leverkusen | |
| Post-office box: | 150120 | |
| | D-51344 Leverkusen | |
| Telephone: | 0214/2602-0 | Telefax: 0214/2602-229 |
| e-mail: | info@denso.de | |
| Contact person: | Herr Hoffmann | Telephone: 220 |
| Responsible Department: | Labor | |

1.4. Emergency telephone number:

0214/2602-214

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger: F - Highly flammable, Xi - Irritant, N - Dangerous for the environment

R phrases:

Highly flammable.

Irritating to skin.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Vapours may cause drowsiness and dizziness.

GHS classification

Hazard categories:

Flammable liquid: Flam. Liq. 2

Skin corrosion/irritation: Skin Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Highly flammable liquid and vapour.

Causes skin irritation.

May cause drowsiness or dizziness.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazardous components which must be listed on the label

Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
cyclohexane
n-hexane

Signal word: Danger

Pictograms: GHS02-GHS07-GHS09

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Hazard statements

- | | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements

- | | |
|----------------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash hands before breaks and at the end of workday. thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P312 | Call a POISON CENTER/doctor if you feel unwell. |
| P370+P378 | In case of fire: Use Never use water. to extinguish. |
| P391 | Collect spillage. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P501 | Dispose of contents/container to burn. |

Special labelling of certain mixtures

Operate if possible out of doors or in a well-ventilated place.

Additional advice on labelling

Classification according to European directive on classification of hazardous preparations 1999/45/EC.

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.
water contaminating

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Solvent-applied lacquers, inks, adhesives and specialty coatings.

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Hazardous components

| EC No | Chemical name | Quantity |
|------------------|---|----------|
| CAS No | Classification | |
| Index No | GHS classification | |
| REACH No | | |
| 921-024-6 | Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | ca. 60 % |
| | F - Highly flammable, Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R11-38-51-53-65-67 | |
| | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411 | |
| 01-2119475514-35 | | |
| 203-806-2 | cyclohexane | <5 % |
| 110-82-7 | F - Highly flammable, Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R11-65-38-67-50-53 | |
| 601-017-00-1 | Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H225 H304 H315 H336 H400 H410 | |
| 203-777-6 | n-hexane | <5 % |
| 110-54-3 | Repr. Cat. 3, F - Highly flammable, Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R11-62-48/20-65-38-67-51-53 | |
| 601-037-00-0 | Flam. Liq. 2, Repr. 2, Asp. Tox. 1, STOT RE 2, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2; H225 H361f *** H304 H373 ** H315 H336 H411 | |

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off all contaminated clothing immediately.

After inhalation

Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.

After contact with skin

Wash off with warm water and soap.
If skin irritation persists, call a physician.

After contact with eyes

Flush eye(s) immediately with plenty of water. Consult a physician.

After ingestion

Rinse mouth. Do not induce vomiting. Notes to physician

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

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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

Not applicable

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use dry chemical, CO₂, water spray or "alcohol" foam.

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Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

The product is insoluble and floats on water. Vapours are heavier than air and may spread along floors. Flash back possible over considerable distance. Vapours may form explosive mixture with air.

5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

Additional information

Water mist may be used to cool closed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Use personal protective equipment.
Avoid contact with the skin and the eyes.
Keep product and empty container away from heat and sources of ignition.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation.
Soak up with inert absorbent material and dispose of as hazardous waste.

6.4. Reference to other sections

13. Disposal considerations
8. Personal protective equipment

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas. Use personal protective equipment. Keep away from sources of ignition - No smoking. Do not breathe vapours or spray mist.

Advice on protection against fire and explosion

Vapours are heavier than air and may spread along floors. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. May be ignited by open flame. Keep product and empty container away from heat and sources of ignition. Take measures to prevent the build up of electrostatic charge

Further information on handling

Preparation may charge electrostatically: always use earthing leads when transferring from one container to another.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Storage must be in accordance with the VbF (Germany).

Advice on storage compatibility

Incompatible with oxidising agents.

Further information on storage conditions

Store at room temperature in the original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|--|-----|-------------------|-----------|---------------|--------|
| | Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | | 1500 | | TWA (8 h) | |
| 110-82-7 | Cyclohexane | 100 | 350 | | STEL (15 min) | |
| | | 300 | 1050 | | TWA (8 h) | WEL |
| | | | | | STEL (15 min) | WEL |
| 110-54-3 | n-Hexane | 20 | 72 | | TWA (8 h) | WEL |
| | | - | - | | STEL (15 min) | WEL |

Additional advice on limit values

Provide adequate ventilation.

8.2. Exposure controls

Protective and hygiene measures

When using, do not eat, drink or smoke.

Handle in accordance with good industrial hygiene and safety practice.

Eye/face protection

tightly fitting safety goggles

Hand protection

protective gloves nitrile rubber $\geq 0,4\text{mm}$ (>480 min)

Skin protection

long sleeved clothing

Respiratory protection

Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing. In case of insufficient ventilation wear suitable respiratory equipment. Breathing apparatus with filter.

A-P2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|---------|
| Physical state: | liquid |
| Colour: | black |
| Odour: | solvent |

pH-Value: not applicable

Changes in the physical state

Initial boiling point and boiling range: > 70 °C ASTM D-1078

Flash point: -18 °C DIN 51755

Lower explosion limits: 0,8 vol. %

Upper explosion limits: 7,7 vol. %

Ignition temperature: > 200 °C DIN 51794

Vapour pressure:
(at 20 °C) 61 hPa

Density (at 20 °C): typ. 0,8 g/cm³

Water solubility: practically not soluble

Flow time:
(at 23 °C) typ. 40 s 4 DIN 53211

Test method

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Solvent content: ca. 70 Gew%

9.2. Other information

Solid content: ca. 30 Gew%

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable at normal conditions

10.3. Possibility of hazardous reactions

In use, may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid

Heat, flames and sparks. Heating can release vapours which can be ignited.

10.5. Incompatible materials

strong oxidising agents

10.6. Hazardous decomposition products

In the event of fire, the following can be released: carbon oxides

Further information

Vapours may form explosive mixture with air.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Not applicable

Irritation and corrosivity

May cause skin irritation and/or dermatitis.

Sensitising effects

None known

STOT-single exposure

Vapours may cause drowsiness and dizziness.

Severe effects after repeated or prolonged exposure

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Concentration above the admissible concentration at the workplace may cause dizziness, headache and inebriation.

Carcinogenic/mutagenic/toxic effects for reproduction

Not applicable

Aspiration hazard

Not applicable

Further information

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SECTION 12: Ecological information

12.1. Toxicity

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| CAS No | Chemical name | | | | | |
|----------|---------------------|--------|----------|-----------|---------------------|--------------------|
| | Aquatic toxicity | Method | Dose | [h] [d] | Species | Source |
| 110-54-3 | n-hexane | | | | | |
| | Acute fish toxicity | LC50 | 2,5 mg/l | 96 h | Pimephales promelas | Geiger et al. 1990 |

12.2. Persistence and degradability

The product is insoluble and floats on water. The product evaporates readily.

12.3. Bioaccumulative potential

No information available

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|---------------|---------|
| 110-54-3 | n-hexane | 3,9 |

12.4. Mobility in soil

Very volatile.

12.5. Results of PBT and vPvB assessment

Not applicable

12.6. Other adverse effects

Ecological injuries are not known or expected under normal use.

Further information

WGK 2

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

080118 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; wastes from paint or varnish removal other than those mentioned in 08 01 17

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances
Classified as hazardous waste.

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|--|---------|
| 14.1. UN number: | UN 1263 |
| 14.2. UN proper shipping name: | Paint |
| 14.3. Transport hazard class(es): | 3 |
| 14.4. Packing group: | II |
| Hazard label: | 3 |

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| | |
|--------------------------|--------------|
| Classification code: | F1 |
| Special Provisions: | 163 640D 650 |
| Limited quantity: | 5 L |
| Transport category: | 2 |
| Hazard No: | 33 |
| Tunnel restriction code: | D/E |

Other applicable information (land transport)

: 163 640D 650
E2
: 2

Inland waterways transport (ADN)

14.1. UN number: UN 1263

14.2. UN proper shipping name: Paint

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label: 3

Classification code: F1

Special Provisions: 163 640D 650

Limited quantity: 5 L

Other applicable information (inland waterways transport)

E2

Marine transport (IMDG)

14.1. UN number: UN 1263

14.2. UN proper shipping name: Paint

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label: 3

Special Provisions: 163

Limited quantity: 5 L

EmS: F-E, S-E

Other applicable information (marine transport)

: 163, 944
E2

Air transport (ICAO)

14.1. UN number: UN 1263

14.2. UN proper shipping name: Paint

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label: 3

Special Provisions: A3 A72

Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 L

Other applicable information (air transport)

E2
: Y305

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: A3 A72

: Y341

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes

14.6. Special precautions for user

Not relevant

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****EU regulatory information**

1999/13/EC (VOC): VOC = 70 % (w/w)

Additional information

VOC = 70 % (w/w)

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Relevant R-phrases (Number and full text)**

| | |
|-------|---|
| 11 | Highly flammable. |
| 38 | Irritating to skin. |
| 48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| 50 | Very toxic to aquatic organisms. |
| 51 | Toxic to aquatic organisms. |
| 53 | May cause long-term adverse effects in the aquatic environment. |
| 62 | Possible risk of impaired fertility. |
| 65 | Harmful: may cause lung damage if swallowed. |
| 67 | Vapours may cause drowsiness and dizziness. |

Relevant H- and EUH-phrases (Number and full text)

| | |
|-------|--|
| H225 | Highly flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361f | Suspected of damaging fertility. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)