

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 1- 16

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

1.1. Product identifier

Product name PERCOTOP SPRAYABLE PUTTY

Product code CS161

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

Identified uses

Coating for professional use

Based on use descriptor system given by guideline of the European Chemical Agency

Sector of use SU 22

Further information see chapter Exposure scenario

The product is only for industrial and/or professional use, not for any private consumer use.

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification

Producer/Supplier Axalta Coating Systems Germany GmbH & Co. KG
Street/Box Horbeller Str. 15
Nat.-Code/Postal code/City DE 50858 Köln
Telephone +49(0) 2234 6019-01

Information on SDS

Responsible Department Regulatory Affairs
Telephone +49 (0)202 529-2385
Telefax +49 (0)202 529-2804
E-mail address sds-competence@axalta.com

1.4. Emergency telephone number

Emergency telephone number of manufacturer +(44)-870-8200418

For further information, please also consult our Internet site

<http://www.axaltacoatingsystems.com>

Section 2. Hazards identification

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

2.1. Classification of the substance or mixture

Classification of the mixture

According to Regulation (EC) No 1272/2008

Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam. 1, H318; STOT SE 3, H335; Repr. 2, H361d; STOT RE 1, H372; Aquatic Chronic 3, H412;

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008.

Pictogram and Signal word of the product



SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 2- 16

Signal word: Danger

Hazardous components which must be listed on the label

| | |
|----------|------------------------------------------------------------------------------------------------------|
| Contains | styrene oxybis(methyl-2,1-ethanediyl) diacrylate ethyl acetate cobalt-(II)-2-ethylhexanoate |
|----------|------------------------------------------------------------------------------------------------------|

Hazard statements

| | |
|-------|-----------------------------------------------------------------|
| H226 | Flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H361d | Suspected of damaging the unborn child. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary statements

| | |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| P260 | Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. |
| P273 | Avoid release to the environment. |
| 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. |
| P310 | Immediately call a POISON CENTER/doctor. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/ attention. |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |

2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Restricted to professional users.

Section 3. Composition/information on ingredients

3.1. Substances

This product is a mixture. Health hazard information is based on its components.

3.2. Mixtures

Chemical characterization

Mixture of synthetic resins, pigments, and solvents

Hazardous components

Substances presenting a health or environmental hazard within the meaning of Regulation (EC) No 1272/2008

| | | | | |
|----------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|
| CAS | 100-42-5 | styrene | | |
| EC | 202-851-5 | REACH | 01-2119457861-32 | 25 - < 35 % |
| Classification | | Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 4, H332; STOT SE 3, H335; Repr. 2, H361d; STOT RE 1, H372; Aquatic Chronic 3, H412; Note D; | | |

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 3- 16

| | | | |
|----------------|-----------------------------------------------------------------------------------------------------------|---------|--------|
| CAS 57472-68-1 | oxybis(methyl-2,1-ethanediyl) diacrylate | | |
| EC 260-754-3 | REACH 01-2119484629-21 | 3 - < | 5 % |
| Classification | Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam. 1, H318; | | |
| CAS 141-78-6 | ethyl acetate | | |
| EC 205-500-4 | REACH 01-2119475103-46 | 2 - < | 2.5 % |
| Classification | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336; EUH066; | | |
| CAS 136-52-7 | cobalt-(II)-2-ethylhexanoate | | |
| EC 205-250-6 | REACH 01-2119524678-29 | 0.2 - < | 0.25 % |
| Classification | Skin Sens. 1A, H317; Eye Irrit. 2, H319; Repr. 1B, H360F; Aquatic Acute 1, H400; Aquatic Chronic 3, H412; | | |
| CAS 67-56-1 | methanol | | |
| EC 200-659-6 | REACH 01-2119433307-44 | 0.1 - < | 0.2 % |
| Classification | Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370; | | |

Up to the given revision date of this safety data sheet only the above mentioned REACH registration numbers are assigned to the chemical substances used in this mixture.

Additional advice

See full text of H-phrases in chapter 16.

Section 4. First aid measures

4.1. Description of first aid measures

General advice

When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately.

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Ingestion

If swallowed, seek medical advice immediately and show this safety data sheet (SDS) or product label. Do NOT induce vomiting. Keep at rest.

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

Please see practical experience in section 11.

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

If unconscious place in recovery position and seek medical advice.

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 4- 16

Section 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Fire will produce dense black smoke containing hazardous combustion products. Exposure to decomposition products may be a hazard to health.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

5.3. Advice for firefighters

Fire and Explosion Hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self-contained breathing apparatus for firefighting if necessary. In the event of fire, cool tanks with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep in a well-ventilated place. Keep away from sources of ignition. Do not inhale vapours.

6.2. Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems. Please avoid any emission of volatile organic compounds as possible.

6.3. Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

6.4. Reference to other sections

Comply with safety directives (see chapters 7 and 8).

Section 7. Handling and storage

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 5- 16

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

7.1. Precautions for safe handling

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another.

Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

For personal protection see section 8. Comply with the health and safety at work laws. If material is a coating, do not sand, flame cut, braze or weld dry coating without an appropriate respirator or appropriate ventilation, and gloves.

Advice on protection against fire and explosion

Solvent vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one. The accumulation of contaminated rags may result in spontaneous combustion. Good housekeeping standards and regular safe removal of waste materials will minimize the risks of spontaneous combustion and other fire hazards.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Observe label precautions. Refer to Technical Data Sheet (TDS) for further information about storage temperature. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. The storage and use of this product is subject to the requirements of the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). Up to 50 litres of such highly flammable liquids may be stored in a work area provided they are kept in a fire-proof cupboard or bin. Larger quantities must be kept in a separate storeroom conforming to the structural requirements of the regulations. Further guidance is contained in the HSE ACOP L135, "Storage of Dangerous Substances."

Advice on common storage

Store separately from oxidizing agents and strongly alkaline and strongly acidic materials.

7.3. Specific end use(s)

Please see exposure scenarios as given in the annex.

Section 8. Exposure controls/personal protection

8.1. Control parameters

DNEL

| CAS-No. | Chemical name | End Use | Exposure routes | Frequency of exposure | Type | Value |
|------------|------------------------------------------|---------|-----------------|-----------------------|------------------|----------------|
| 100-42-5 | styrene | Workers | Dermal | Long term | Systemic effects | 406 mg/kg/day |
| | | Workers | Inhalative | Long term | Systemic effects | 19.67 ppm |
| 57472-68-1 | oxybis(methyl-2,1-ethanediyl) diacrylate | Workers | Dermal | Long term | Systemic effects | 2.77 mg/kg/day |
| | | Workers | Inhalative | Long term | Systemic effects | 2.4 ppm |

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 6- 16

| CAS-No. | Chemical name | End Use | Exposure routes | Frequency of exposure | Type | Value |
|----------|---------------|--------------------|----------------------|------------------------|--------------------------------------|-------------------------|
| 141-78-6 | ethyl acetate | Workers Workers | Dermal Inhalative | Long term Long term | Systemic effects Systemic effects | 63 mg/kg/day 200 ppm |
| 67-56-1 | methanol | Workers Workers | Dermal Inhalative | Long term Long term | Systemic effects Systemic effects | 40 mg/kg/day 196 ppm |

PNEC

| CAS-No. | Chemical name | Compartment | Type | Value |
|----------|---------------|-------------|-----------------------------|-------------|
| 141-78-6 | ethyl acetate | Aquatic | Sediment | 0.115 mg/kg |
| | | Aquatic | Fresh water | 0.24 mg/l |
| | | Aquatic | Sea-water | 0.024 mg/l |
| | | Aquatic | waste-water treatment plant | 650 mg/l |
| | | Terrestrial | Soil | 0.148 mg/kg |
| 67-56-1 | methanol | Aquatic | Sediment | 7.7 mg/l |
| | | Aquatic | Fresh water | 20.8 mg/l |
| | | Aquatic | Sea-water | 2.08 mg/l |
| | | Aquatic | waste-water treatment plant | 100 mg/l |
| | | Terrestrial | Soil | 100 mg/kg |

Community / national occupational exposure limits

| CAS-No. | Chemical name | Source | Time | Type | Value | Note |
|----------|---------------|--------|--------|--------|-------------------------|------|
| 100-42-5 | styrene | | 15 min | STEL | 1,080 mg/m ³ | |
| | | | 15 min | STEL | 250 ppm | |
| | | | 8 hr | TWA | 430 mg/m ³ | |
| | | | 8 hr | TWA | 100 ppm | |
| 141-78-6 | ethyl acetate | | | STEL | 400 ppm | |
| | | | | TWA | 200 ppm | |
| 67-56-1 | methanol | | 8 hr | IOELV8 | 260 mg/cm ³ | Skin |
| | | | 8 hr | IOELV8 | 200 ppm | Skin |
| | | | | STEL | 333 mg/m ³ | |
| | | | | STEL | 250 ppm | |
| | | | | TWA | 266 mg/m ³ | |
| | | | | TWA | 200 ppm | |

Glossary

IOELV Indicative Occupational Exposure Limit Values

TWA Time weighted average

8.2. Exposure controls

Additional technical information on the plant

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn. Mask with gas filter, type A (EN 141)

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 7- 16

the substances in the preparation.

| Chemical name | Glove material | Glove thickness | Break through time |
|---------------|----------------|-----------------|--------------------|
| ethyl acetate | Nitrile rubber | 0.33 mm | 10 MIN |
| | Viton (R) ® | 0.7 mm | 480 MIN |

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Eye protection

Use safety eyewear designed to protect against splash of products.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothing made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

Environmental exposure controls

Do not let product enter drains.

For ecological information refer to section 12.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Form: liquid; **Colour:** grey; **Odour:** Odour is not perceptible.;

Important health, safety and environmental information

| Property | Value | Method |
|----------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------|
| pH | pH cannot be measured due to less solubility in water. | |
| Melting point/freezing point | -31 – 1250 °C | |
| Boiling point/boiling range | 145 °C | |
| Flash point | 25 °C | EN ISO 3679 |
| Evaporation rate | Slower than Ether | |
| Flammability (solid, gas) | not relevant as product is liquid | |
| Lower explosion limit | 0.9 vol-% based on organic solvent content | |
| Upper explosion limit | 6.1 vol-% based on organic solvent content | |
| Vapour pressure | 3.8 hPa | |
| Vapour density | No data available | |
| Density | 1.41 g/cm ³ | 20 °C - DIN 53217/ISO 2811 |
| Solubility(ies) | | |
| Water solubility | partly miscible | |
| Solubility in other solvents | miscible with most organic solvents Listed in: Section 3. Composition/information on ingredients | |
| Partition coefficient: n-octanol/water | This product is a mixture. For ingredient details see section 12 | |
| Auto-ignition temperature | 240 °C | DIN 51794 based on organic solvent content |

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 8- 16

| | | |
|---------------------------|--------------------------------------------------------------------|--------------------------------|
| Decomposition temperature | This product is a mixture. For further information see section 10. | |
| Viscosity (23 °C) | | > 100 s |
| Explosive properties | | ISO 2431 - 1993 6 mm |
| Oxidizing properties | | Not explosive not oxidizing |

9.2. Other information

| | | |
|--------------------------------------------------|--------|---------------------------------------|
| Solvent separation test | < 3% | ADR/RID |
| Content of volatile components (including water) | 29.3 % | Basis Vapour pressure \geq 0.01 kPa |
| organic solvent content | 29.3 % | Basis Vapour pressure \geq 0.01 kPa |
| European VOC | 29.3 % | Basis Vapour pressure \geq 0.1 hPa |

Section 10. Stability and reactivity

10.1. Reactivity

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials to avoid

not required under normal use

10.6. Hazardous decomposition products

None known.

Section 11. Toxicological information

11.1. Information on toxicological effects

General observations

There is no data available on the product. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1272/2008/EC and classified for toxicological hazards accordingly. See sections 2 and 3 for details.

Practical experience

Swallowing may cause nausea, diarrhoea, vomiting, gastro-intestinal irritation and chemical pneumonia. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. 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.

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 9- 16

Acute toxicity

Acute inhalation toxicity

| EINECS-No. | Chemical name | Species | Type | Exposure time | Value | Method |
|------------|---------------|---------|------|---------------|------------|--------|
| 200-659-6 | methanol | Rat | LC50 | 4 hr | 64,000 ppm | |
| 202-851-5 | styrene | Rat | LC50 | 4 hr | 2,770 ppm | |

Acute dermal toxicity

| EINECS-No. | Chemical name | Species | Type | Exposure time | Value | Method |
|------------|---------------|---------|------|---------------|--------------|--------|
| 200-659-6 | methanol | Rabbit | LD50 | | 15,800 mg/kg | |

Acute oral toxicity

| EINECS-No. | Chemical name | Species | Type | Exposure time | Value | Method |
|------------|---------------|---------|------|---------------|-------------|--------|
| 200-659-6 | methanol | Rat | LD50 | | 5,628 mg/kg | |

Irritation

Eyes

| EINECS-No. | Chemical name | Species | Method | Result |
|------------|------------------------------|---------|--------|------------|
| 202-851-5 | styrene | | | irritating |
| 205-250-6 | cobalt-(II)-2-ethylhexanoate | | | irritating |
| 205-500-4 | ethyl acetate | | | irritating |

Skin

| EINECS-No. | Chemical name | Species | Method | Result |
|------------|------------------------------------------|---------|--------|-------------------|
| 202-851-5 | styrene | | | irritating |
| 260-754-3 | oxybis(methyl-2,1-ethanediyl) diacrylate | | | irritating |
| 205-500-4 | ethyl acetate | | | slight irritation |

Corrosion

Eyes

| EINECS-No. | Chemical name | Species | Method | Result |
|------------|------------------------------------------|---------|--------|-----------|
| 260-754-3 | oxybis(methyl-2,1-ethanediyl) diacrylate | | | corrosive |

Skin

Based on available data, the classification criteria are not met.

Sensitisation

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

| EINECS-No. | Chemical name | Form | Species | Method | Result |
|------------|------------------------------------------|------|---------|--------|--------------------------------------|
| 260-754-3 | oxybis(methyl-2,1-ethanediyl) diacrylate | | | | May cause an allergic skin reaction. |
| 205-250-6 | cobalt-(II)-2-ethylhexanoate | | | | May cause an allergic skin reaction. |

Specific target organ toxicity - single exposure

| | |
|---------------|-----------|
| EINECS-No. | 200-659-6 |
| Chemical name | methanol |
| Species | |
| Method | |

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 10- 16

| | |
|-----------------|------------------------------------|
| Exposure routes | |
| Form | |
| Value | |
| Exposure time | |
| Target Organs | Skin |
| Result | Causes damage to organs. |
| EINECS-No. | 200-659-6 |
| Chemical name | methanol |
| Species | |
| Method | |
| Exposure routes | |
| Form | |
| Value | |
| Exposure time | |
| Target Organs | Gastrointestinal tract |
| Result | Causes damage to organs. |
| EINECS-No. | 200-659-6 |
| Chemical name | methanol |
| Species | |
| Method | |
| Exposure routes | |
| Form | |
| Value | |
| Exposure time | |
| Target Organs | Respiratory system |
| Result | Causes damage to organs. |
| EINECS-No. | 202-851-5 |
| Chemical name | styrene |
| Species | |
| Method | |
| Exposure routes | Inhalation |
| Form | |
| Value | |
| Exposure time | |
| Target Organs | Respiratory system |
| Result | May cause respiratory irritation. |
| EINECS-No. | 205-500-4 |
| Chemical name | ethyl acetate |
| Species | |
| Method | |
| Exposure routes | |
| Form | |
| Value | |
| Exposure time | |
| Target Organs | |
| Result | May cause drowsiness or dizziness. |

Specific target organ toxicity - repeated exposure

| | |
|-----------------|-----------------------------------------------------------------|
| EINECS-No. | 202-851-5 |
| Chemical name | styrene |
| Species | |
| Method | |
| Exposure routes | Inhalation |
| Form | |
| Value | |
| Exposure time | |
| Target Organs | Respiratory system |
| Result | Causes damage to organs through prolonged or repeated exposure. |

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 11- 16

Carcinogenicity

Based on available data, the classification criteria are not met.

Mutagenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

| EINECS-No. | Chemical name | Species | Method | Result |
|------------|------------------------------|---------|--------|------------------------------------------------------|
| 205-250-6 | cobalt-(II)-2-ethylhexanoate | | | May damage fertility or the unborn child. |
| 202-851-5 | styrene | | | Suspected of damaging fertility or the unborn child. |

Section 12. Ecological information

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses. The data in this section is consistent with data from chemical safety reports available at the date of revision.

12.1. Toxicity

Aquatic toxicity

Acute toxicity aquatic invertebrates

| EINECS-No. | Chemical name | Species | Type | Exposure time | Value | Method |
|------------|------------------------------|---------|------|---------------|------------|--------|
| 205-250-6 | cobalt-(II)-2-ethylhexanoate | Daphnia | EC50 | 21 days | 0.706 mg/l | |

Toxicity with aquatic plants

| EINECS-No. | Chemical name | Species | Type | Exposure time | Value | Method |
|------------|------------------------------|---------|------|---------------|------------|--------|
| 205-250-6 | cobalt-(II)-2-ethylhexanoate | Algae | LC50 | 72 h | 0.528 mg/l | |

Contains 37.4% of components with unknown hazards to the aquatic environment.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

Based on available data no ingredient is classified for this hazard property (please see section 3).

12.6. Other adverse effects

The preparation was evaluated in accordance with the conventional method of the preparations directive 1272/2008/EC, and it was not classified as dangerous for the environment, but it does contain environmentally dangerous materials. For details, see section 3

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 12- 16

Adsorbed organic bound halogens (AOX)

Product does not contain organic linked halogens contributing to AOX.

Section 13. Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with local regulations.

Product

Recommendation:

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

| Waste Key Number | Description |
|------------------|-----------------------------------------------------------------------------------|
| 08 01 11 | waste paint and varnish containing organic solvents or other dangerous substances |

Uncleaned packaging

Recommendation:

Properly emptied containers are to be scrap processed or reconditioned. Improperly emptied containers are considered hazardous waste (waste key number 150110). Waste, including emptied containers, is controlled waste. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. If fully drained containers are compacted they can be regarded as Controlled Waste and disposed of in accordance with the requirements of the Control of Pollution Act 1974 and the Environmental Protection Act 1990 (GB), the Pollution Control and Local Government (NI) Order 1978 (NI) or of the EC (Waste) Regulations 1979 and the EC (Toxic & Dangerous Waste) Regulations 1982 (IRL).

Section 14. Transport information

Transport only in accordance with the requirements of the Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labeling), ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

14.1. UN number

ADR/RID; IMDG; ICAO/IATA: 1263

14.2. UN proper shipping name

ADR/RID; IMDG; ICAO/IATA: PAINT

14.3. Transport hazard class(es)

Hazard class

ADR/RID; IMDG; ICAO/IATA: 3

Subsidiary hazard class

ADR/RID; IMDG; ICAO/IATA: Not applicable.

Labels



SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 13- 16

Tunnel restriction code

ADR/RID: D/E

Special Provisions

ADR/RID: 640E

Kemler Code

ADR/RID: 30

Hazchem Code

ADR/RID: 3Y

EmS

IMDG: F-E,S-E

14.4. Packaging group

ADR/RID; IMDG; ICAO/IATA: III

14.5. Environmental hazards

ADR/RID; IMDG; ICAO/IATA: none

Marine pollutant

IMDG: no

14.6. Special precautions for user

please see section 6 - 8

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

Deliveries shall only be made based on appropriate packaging and in compliance with traffic laws.

Section 15. Regulatory information

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

National legislation

This safety datasheet has been prepared according to British legislation.

The product is labeled according to the Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 as amended (CHIP Regulations). The risk associated with the use of this product must be assessed in accordance with the Control of Substances Hazardous to Health (COSHH) Regulations and the Dangerous Substances and Explosive Atmospheres Regulations.

Restricted to professional users.

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 14- 16

15.2. Chemical safety assessment

No safety checks were carried out on the mixture.

Section 16. Other information

Full text of H phrases with no. appearing in section 3

| | |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H360F | May damage fertility. |
| H361d | Suspected of damaging the unborn child. |
| H370 | Causes damage to organs. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| Note D | Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words "non-stabilised". |

Information taken from reference works and the literature.

| | |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Substance No. | CAS no: http://support.cas.org/content/chemical-substances http://echa.europa.eu/ |
| Substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC. | http://echa.europa.eu/search-for-chemicals http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB https://www.cdc.gov/niosh/ipcs/ |
| Other directives, limitations and prohibitory regulations | Regulation (EC) No. 1907/2006 Directive 98/24/EC Directive 2004/37/EC REGULATION (EC) No 1272/2008 EUR-LEX: http://eur-lex.europa.eu/homepage.html |
| Exposure limit for the pure substance | http://osha.europa.eu/OSHA |

Training advice

Regulation (EC) No. 1907/2006
Directive 98/24/EC

Further information

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 15- 16

years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.

Report version

| Version | Changes |
|---------|---------|
|---------|---------|

| | |
|------|----|
| 29.6 | 11 |
|------|----|

Revision Date: 2019-10-08

SAFETY DATA SHEET

according to 1907/2006/EC



Product name: PERCOTOP SPRAYABLE PUTTY

Product code: CS161

Print Date: 2019-10-08

v29.6

Revision Date: 2019-10-08

GB/en Page 16- 16

Annex - Exposure scenarios

Exposure scenario is still under development as assessment will be based on initial scenarios for used chemicals to be provided by manufacturers and importers.