

SAFETY DATA SHEET

POWER COAT 3 in 1 SPRAY

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 24.02.2003
Revision date 10.01.2017

1.1. Product identifier

Product name POWER COAT 3 in 1 SPRAY
GTIN no. 7053030400022, 7053030400077, 7053030400114, 7053030400121, 7053030400138, 7053030400176, 7053030400213, 7053030400237, 7053030400251, 7053030400275, 7053030400343, 7053030400350, 7053030400398, 7053030400411, 7053030400497, 7053030400503, 7053030400510, 7053030400534, 7053030400572, 7053030400596, 7053030400619, 7053030400633, 7053030400671, 7053030400695, 7053030400701, 7053030400756, 7053030400787, 7053030400855, 7053030400893, 7053030400916, 7053030400954, 7053030401012, 7053030401319, 7053030401944

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

Use of the substance/preparation Corrosion preventing Paint. Aerosol.

1.3. Details of the supplier of the safety data sheet

Distributor

Company name J.S. COCK A/S
Postal address Postboks 68 Stovner
Postcode 0913
City OSLO
Country Norge
Tel +47 22 21 51 00
Fax +47 22 21 02 66
E-mail salg.maling@jsc.no
Website http://www.jsc.no
Contact person Mona Ødegaard

1.4. Emergency telephone number

Emergency telephone Giftinformasjonen:22 59 13 00

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] Eye Irrit. 2;H319;
STOT SE3;H336;
Classification notes CLP Aerosol 1 H222 ,Aerosol 1 H229
Substance / mixture hazardous properties Aerosol cans of extremely flammable contents. Causes serious eye irritation.
May cause drowsiness or dizziness.

2.2. Label elements

Hazard Pictograms (CLP)



| | |
|--------------------------------|---|
| Composition on the label | Acetone:20 - 35 %, 1-Methoxypropan-2-ol:1 - 5 % |
| Signal word | Danger |
| Hazard statements | H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. |
| Precautionary statements | P102 Keep out of reach of children. P210 Keep away from heat / sparks / open flames / hot surfaces. – No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P271 Use only outdoors or in a well-ventilated area. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122°F. P501 Dispose of contents / container to approved depot. |
| Supplemental label information | EUH 066 Repeated exposure may cause skin dryness or cracking. |

2.3. Other hazards

| | |
|--------------------------|--|
| PBT / vPvB | The substance does not meet current criteria for PBT (Persistent, Bioaccumulative and Toxic). vPvB assessment has not been performed. |
| Physico-chemical effects | The vapours are heavier than air and will spread along the floor. Can form explosive gas-air mixtures. |

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Substance | Identification | Classification | Contents |
|---------------------------------|---|--|-----------|
| Dimethyl ether | CAS no.: 115-10-6 EC no.: 204-065-8 | Flam gas 1;H220; Press. Gas;H280; | 20 - 35 % |
| Acetone | CAS no.: 67-64-1 EC no.: 200-662-2 | Flam. Liq. 2;H225; Eye Irrit. 2;H319; STOT SE3;H336; | 20 - 35 % |
| 1-Methoxypropan-2-ol | CAS no.: 107-98-2 EC no.: 203-539-1 | Flam. Liq. 3; H226 STOT SE3; H336 | 1 - 5 % |
| 2-Methoxy-1-methylethyl acetate | CAS no.: 108-65-6 EC no.: 203-603-9 | Flam. Liq. 3;H226; | 1 - 5 % |
| Substance comments | See section 16 for explanation of hazard statements (H) listed above. | | |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| General | Emergency telephone number: see section 1.4. In case of unconsciousness or severe accidents, call 112. |
| Inhalation | Fresh air and rest. Get medical attention if any discomfort continues. |
| Skin contact | Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues. |

| | |
|-------------|--|
| Eye contact | Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. By prolonged rinsing, use luke warm water to avoid damage to the eye. Contact physician if irritation persists. |
| Ingestion | Not likely. Give some cream or vegetable oil. Do not induce vomiting. Seek medical advice. |

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

| | |
|------------------------------|--|
| Acute symptoms and effects | Skin contact: Contains components which may penetrate the skin. May cause slight irritation. Eye contact: Irritating to eyes and may cause redness and burning. Ingestion: Ingestion may cause discomfort and throat irritation. |
| Delayed symptoms and effects | Skin contact: Prolonged and repeated skin contact will cause defatting and possible irritation. |

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

| | |
|-------------------|---|
| Other Information | Treat symptomatically. No specific information from the manufacturer. |
|-------------------|---|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | Dry-powder, carbon dioxide (CO ₂), water mist, alcohol resistant foam. |
| Improper extinguishing media | Do not use water jet. |

5.2. Special hazards arising from the substance or mixture

| | |
|-------------------------------|---|
| Fire and explosion hazards | Extremely flammable. Aerosol containers can explode when heated, due to excessive pressure build-up. May form explosive gas/air mixtures. Vapours are heavier than air and may spread near ground to sources of ignition. |
| Hazardous combustion products | May include, but is not limited to: Carbon monoxide (CO). Carbon dioxide (CO ₂). |

5.3. Advice for firefighters

| | |
|-------------------------------|--|
| Personal protective equipment | Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8. |
| Other Information | Containers close to fire should be removed immediately or cooled with water. Extinguishing water must not be discharged into drains. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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|------------------------------|--|
| Personal protection measures | Provide adequate ventilation. Do not smoke, use open fire or other sources of ignition. Avoid inhalation of vapours and aerosols and contact with skin and eyes. Use protective equipment as referred to in section 8. |
|------------------------------|--|

6.2. Environmental precautions

| | |
|--------------------------------------|---|
| Environmental precautionary measures | Do not allow to enter into sewer, water system or soil. |
|--------------------------------------|---|

6.3. Methods and material for containment and cleaning up

| | |
|-----------------|---|
| Cleaning method | Absorb in vermiculite, dry sand or earth and place into containers. Collect in a suitable container and dispose as hazardous waste according to section 13. |
|-----------------|---|

6.4. Reference to other sections

| | |
|--------------------|-----------------------------|
| Other instructions | See also sections 8 and 13. |
|--------------------|-----------------------------|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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|----------|---|
| Handling | Provide adequate ventilation. Avoid contact with eyes and skin. Avoid |
|----------|---|

inhalation of vapours and spray mists. Do not use in confined spaces without adequate ventilation and/or respirator. Use protective equipment as referred to in section 8.

Protective Safety Measures

| | |
|--|--|
| Safety Measures To Prevent fire | Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges. |
| Advice on general occupational hygiene | Wash hands at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke during work. Wash contaminated clothing before reuse. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------------|---|
| Storage | Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Follow rules for flammable liquids. |
| Special risks and properties | The vapours are heavier than air and will spread along the floor. The vapours may form explosive mixtures with air. |

Conditions for safe storage

| | |
|---|---|
| Advice on storage compatability | Incompatible materials: Strong acids. Oxidizing agents. |
| Additional information on storage conditions. | Store in accordance with regulations for flammable goods. |
| Storage Temperature | Value: < 50 °C |

7.3. Specific end use(s)

| | |
|-----------------|------------------|
| Specific use(s) | See section 1.2. |
|-----------------|------------------|

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

| Substance | Identification | Value | TWA Year |
|--|--|---|----------|
| Dimethyl ether | CAS no.: 115-10-6 | 8-hour TWA: 200 ppm | |
| | EC no.: 204-065-8 | E 8-hour TWA: 384 mg/m ³ E | |
| Acetone | CAS no.: 67-64-1 | 8-hour TWA: 125 ppm | |
| | EC no.: 200-662-2 | E 8-hour TWA: 295 mg/m ³ E | |
| 1-Methoxypropan-2-ol | CAS no.: 107-98-2 | 8-hour TWA: 180 mg/m ³ | |
| | EC no.: 203-539-1 | H, E 8-hour TWA: 50 ppm H, E | |
| 2-Methoxy-1-methylethyl acetate | CAS no.: 108-65-6 | 8-hour TWA: 270 mg/m ³ | |
| | EC no.: 203-603-9 | H, E 8-hour TWA: 50 ppm H, E | |
| Other Information about threshold limit values | Explanation of the notations: E = The substance has an EU workplace exposure limit. H = Can be absorbed through the skin. References (laws/regulations): EH40/2005 Workplace exposure limits, with later amendments. | | |

8.2. Exposure controls

| | |
|-------------------------------------|--|
| Limitation of exposure on workplace | <p>Provide adequate ventilation.</p> <p>The personal protective equipment must be CE-marked and the latest version of the standards shall be used. The protective equipment and the specified standards recommended below are only suggestions, and should be selected on advice from the supplier of such equipment.</p> <p>A risk assessment of the work place/work activities (the actual risk) may lead to other control measures.</p> <p>The protection equipments suitability and durability will depend on application.</p> |
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Safety signs



Respiratory protection

| | |
|--------------------------------|---|
| Respiratory protection | If ventilation is insufficient, use a respirator with AX filter against solvent vapours. Use filtercombination A/P2 against aerosols or while spraying. Wear air-supplied mask in confined areas. |
| Reference to relevant standard | EN 14387 (Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing, marking). |

Hand protection

| | |
|-------------------------------------|--|
| Hand protection | Use chemical resistant gloves. Glove material, penetration time and material thickness is assessed on the basis of individual components in the mixture. |
| Suitable gloves type | Butyl rubber. |
| Reference to relevant standard | BS-EN 374 (Protective gloves against chemicals and micro-organisms). BS-EN 420 (Protective gloves. General requirements and test methods). |
| Breakthrough time | <1 time. No specific information from the manufacturer. |
| Thickness of glove material | > 0,4 mm |
| Additional hand protection measures | Change gloves frequently. |

Eye / face protection

| | |
|--------------------------------|---|
| Eye protection | Wear safety goggles if there is a risk of splash. |
| Reference to relevant standard | EN 166 (Personal eye-protection. Specifications). |

Skin protection

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|--------------------------------|---|
| Skin protection (except hands) | Wear appropriate protective clothing to protect against skin contact. |
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Appropriate environmental exposure control

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|---------------------------------|--|
| Environmental exposure controls | Do not allow to enter into sewer, water system or soil. See also section 12. |
|---------------------------------|--|

Other Information

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| Other Information | Emergency shower and eye wash facilities should be available at the workplace. |
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|------------------------------------|
| Physical state | Aerosol. |
| Colour | Various. |
| Odour | Characteristic. |
| Comments, Odour limit | Not specified by the manufacturer. |
| Comments, Melting point / melting range | Not specified by the manufacturer. |
| Comments, Boiling point / boiling range | Not specified by the manufacturer. |
| Flash point | Value: -21 °C |

| | |
|--|------------------------------------|
| Comments, Evaporation rate | Evaporates quickly. |
| Flammability (solid, gas) | Not specified by the manufacturer. |
| Lower explosion limit with unit of measurement | 1,5 vol% |
| Upper explosion limit with units of measurement | 9,5 vol% |
| Vapour pressure | Value: 3-4 bar |
| Comments, Vapour density | Not specified by the manufacturer. |
| Density | Value: 0,79 g/ml |
| Solubility in water | Insoluble. |
| Comments, Solubility | Soluble in most organic solvents. |
| Comments, Partition coefficient: n-octanol / water | Not specified by the manufacturer. |
| Spontaneous combustability | Value: > 490 °C |
| Comments, Decomposition temperature | Not specified by the manufacturer. |
| Comments, Viscosity | Not specified by the manufacturer. |
| Oxidising properties | Not specified by the manufacturer. |

9.2. Other information

| | |
|----------------|-------------------------|
| Content Of Voc | Value: < 840 g/L |
|----------------|-------------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

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| Reactivity | Vapors may form explosive mixtures with air. Reactive with the materials listed in Section 10.5. |
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10.2. Chemical stability

| | |
|-----------|---|
| Stability | Stable under normal temperature conditions and recommended use. |
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10.3. Possibility of hazardous reactions

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|------------------------------------|--|
| Possibility of hazardous reactions | Arise in contact with inappropriate conditions and incompatible materials (sections 10.4 and 10.5) |
|------------------------------------|--|

10.4. Conditions to avoid

| | |
|---------------------|--|
| Conditions to avoid | Heat and sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight. |
|---------------------|--|

10.5. Incompatible materials

| | |
|--------------------|---------------------------------|
| Materials to avoid | Strong acids. Oxidizing agents. |
|--------------------|---------------------------------|

10.6. Hazardous decomposition products

| | |
|----------------------------------|---|
| Hazardous decomposition products | None under normal conditions. See also section 5.2. |
|----------------------------------|---|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

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|-----------|---|
| LD50 oral | Value: 5800 mg/kg Animal test species: Rat Comments: Applies to CAS-nr.67-64-1 |
| LD50 oral | Value: 8532 mg/kg Animal test species: Rat Comments: Applies to CAS-nr.108-65-6 |
| LD50 oral | Value: 11700 mg/kg Animal test species: Mouse Comments: Applies to CAS-nr.107-98-2 |

Other information regarding health hazards

| | |
|---------|--|
| General | The chemical itself has not been tested. The classification is based on information about the ingredients. |
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Acute toxicity, Mixture estimate

| | |
|---|---|
| Assessment of acute toxicity classification | Based on available data, the classification criteria are not met. |
|---|---|

Potential acute effects

| | |
|-------------------|---|
| Inhalation | Vapours may cause drowsiness and dizziness. Solvent vapours are hazardous and may cause nausea, sickness and headaches. |
| Skin contact | May cause slight irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Contains components which may penetrate the skin. |
| Eye contact | Causes serious eye irritation. Splashes will irritate and cause redness and pain. |
| Ingestion | Not likely to be ingested. May cause irritation to the mouth and throat. |
| Irritation | Causes serious eye irritation. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |

Delayed effects / repeated exposure

| | |
|------------------------|---|
| Sensitisation | Based on available data, the classification criteria are not met. |
| Chronic effects | Prolonged and repeated contact may cause damage to the central nervous system. May cause damage to the liver and kidneys. |
| STOT-single exposure | May cause drowsiness or dizziness. Classification: STOT SE 3: H336. |
| STOT-repeated exposure | Based on available data the classification criteria are not met. |

Carcinogenic, Mutagenic or Reprotoxic

| | |
|------------------------|---|
| Carcinogenicity | Based on available data, the classification criteria are not met. Contains small amounts of substances that can cause cancer. |
| Mutagenicity | Based on available data, the classification criteria are not met. |
| Teratogenic properties | Based on available data, the classification criteria are not met. |
| Reproductive toxicity | Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------|---|
| Ecotoxicity | The chemical is not classified as harmful to the environment. The chemical itself has not been tested. The assessment is based on information about the ingredients. |
|-------------|---|

12.2. Persistence and degradability

| | |
|-------------------------------|---|
| Persistence and degradability | Volatile substances are degraded in the atmosphere within a few days. |
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12.3. Bioaccumulative potential

| | |
|---------------------------|--------------------------------|
| Bioaccumulative potential | Not expected to bioaccumulate. |
|---------------------------|--------------------------------|

12.4. Mobility in soil

| | |
|----------|---------------------|
| Mobility | Insoluble in water. |
|----------|---------------------|

12.5. Results of PBT and vPvB assessment

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|-------------------------|---|
| PBT assessment results | The mixture does not meet current criteria for PBT (Persistent, bioaccumulative and toxic). |
| vPvB evaluation results | vPvB assessment has not been performed. |

12.6. Other adverse effects

| | |
|---------------------------------|---|
| Other adverse effects / Remarks | Do not allow to enter into sewer, water system or soil. |
|---------------------------------|---|

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|------------------------------------|---|
| Specify the appropriate methods of | Disposed of as hazardous waste by approved contractor. The waste code |
|------------------------------------|---|

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|---|--|
| disposal | (EWC-Code) is intended as a guide. The code must be chosen by the user, if the use differs from the one mentioned below. |
| Product classified as hazardous waste | Yes |
| Packaging classified as hazardous waste | Yes |
| EWC waste code | EWC: 08 01 11 waste paint and varnish containing organic solvents or other dangerous substances EWC: 160504 gases in pressure containers (including halons) containing dangerous substances |
| NORSAS | 7055 Spraybokser |
| Other Information | Do not empty into drains. |

SECTION 14: Transport information

14.1. UN number

| | |
|-----------------|------|
| ADR / RID / ADN | 1950 |
| RID | 1950 |
| IMDG | 1950 |
| ICAO/IATA | 1950 |

14.2. UN proper shipping name

| | |
|-----------|---------------------|
| ADR | AEROSOLS |
| RID | AEROSOLS |
| IMDG | AEROSOLS |
| ICAO/IATA | AEROSOLS, FLAMMABLE |

14.3. Transport hazard class(es)

| | |
|-----------------|-----|
| ADR / RID / ADN | 2.1 |
| RID | 2.1 |
| IMDG | 2.1 |
| ICAO/IATA | 2.1 |

14.4. Packing group

| | |
|----------|---------------|
| Comments | Not relevant. |
|----------|---------------|

14.5. Environmental hazards

| | |
|-----------------------|----|
| IMDG Marine pollutant | No |
|-----------------------|----|

14.6. Special precautions for user

| | |
|-----|----------|
| EmS | F-D, S-U |
|-----|----------|

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

ADR / RID - Other information

| | |
|-------------------------|-----|
| Tunnel restriction code | (D) |
|-------------------------|-----|

SECTION 15: Regulatory information

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

| | |
|-------------------------------|---|
| Declaration no. | 85208 |
| References (laws/regulations) | FOR-2012-06-16 nr 622 Norwegian regulation on classification, labeling and packaging of substances and mixtures (CLP), with later amendments. FOR-2008-05-30 nr 516 Norwegian regulation on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments. Norwegian regulations on waste, no. 930/2004, from the Ministry of Environment. |

Dangerous Goods regulations.
Aerosol Dispensers Directive 75/324/EEC, including later amendments

15.2. Chemical safety assessment

Chemical safety assessment performed No

SECTION 16: Other information

| | |
|--|---|
| Supplier's notes | The information contained in this SDS must be made available to all those who handle the product. |
| Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] | Eye Irrit. 2; H319; STOT SE3; H336; |
| List of relevant H-phrases (Section 2 and 3). | H280 Contains gas under pressure; may explode if heated. H226 Flammable liquid and vapour. H336 May cause drowsiness or dizziness. H220 Extremely flammable gas. H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. |
| Abbreviations and acronyms used | ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road EWC: European Waste Code (a code from the EU's common classification system for waste) IATA: The International Air Transport Association ICAO: The International Civil Aviation Organisation IMDG: The International Maritime Dangerous Goods Code LD50: Lethal dose, is the amount of a substance given to a group of test animals, which causes the death of 50%. PBT: Persistent, Bioaccumulative and Toxic RID: The Regulations concerning the International Carriage of Dangerous Goods by Rail VOC: Volatile Organic Compounds vPvB: very Persistent and very Bioaccumulative |
| Important data sources used to construct the safety data sheet | Suppliers Safety data sheet dated: 26.11.2014 |
| Information which has been added, deleted or revised | Version: 5. Amendment, section: 1-16. Responsible: JKR. |
| Checking quality of information | This SDS is quality controlled by Kiwa Teknologisk Institutt in Norway, certified according to the Quality Management System requirements specified in ISO 9001:2008. |
| Version | 5 |
| Responsible for safety data sheet | J.S. COCK A/S |
| Prepared by | Kiwa Teknologisk Institutt as, Norway by Johan K. Rian |
| NOBB no. | 42714363, 40798530, 41368986, 42719297, 41369034, 42714378, 40798555, 42714382, 41369125, 41369703, 42714397, 44011777, 43249946, 40798571, 41369737, 41430695, 40798589, 43249954, 41369786, 42714401, 41369901, 40798597, 49049923, 43657093, 43249965, 49049938, 43613057, 41369919, 49049942, 41369935, 40798605, 40798613, 41740326, 40798621, 45467293, 49049957 |