

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 Eye Irrit. 2;H319;

Regulation (EC) No 1272/2008 STOT SE3;H336;

[CLP/GHS]

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.
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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

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.
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6.2. Environmental precautions

Environmental precautionary measures	Do not allow to enter into sewer, water system or soil.
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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.
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6.4. Reference to other sections

Other instructions	See also sections 8 and 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Provide adequate ventilation. Avoid contact with eyes and skin. Avoid
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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 compatibility	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.
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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

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

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

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
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SECTION 10: Stability and reactivity

10.1. Reactivity

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

Possibility of hazardous reactions	Arise in contact with inappropriate conditions and incompatible materials (sections 10.4 and 10.5)
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10.4. Conditions to avoid

Conditions to avoid	Heat and sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.
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10.5. Incompatible materials

Materials to avoid	Strong acids. Oxidizing agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal conditions. See also section 5.2.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

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.
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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.
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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.
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12.4. Mobility in soil

Mobility	Insoluble in water.
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12.5. Results of PBT and vPvB assessment

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.
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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.
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14.5. Environmental hazards

IMDG Marine pollutant	No
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14.6. Special precautions for user

EmS	F-D, S-U
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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)
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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