SAFETY DATA SHEET
POWER COAT 3 in 1

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	08.10.2001
Revision date	10.01.2017

1.1. Product identifier

Product name	POWER COAT 3 in 1
GTIN no.	7053030310055, 7053030310048, 7053030310031, 7053030310024, 7053030310017, 7053030310079, 7053030310086, 7053030310093, 7053030310109, 7053030310116, 7053030310123, 7053030310130, 7053030310147, 7053030310154, 7053030310161, 7053030310178, 7053030310185, 7053030310192, 7053030310208, 7053030310215, 7053030310222, 7053030310239, 7053030310246, 7053030310253, 7053030310260, 7053030310277, 7053030310284, 7053030310291, 7053030310307, 7053030310314, 7053030310321, 7053030310338, 7053030310345, 7053030310352, 7053030310369, 7053030310376, 7053030310383, 7053030310390, 7053030310406, 7053030310437, 7053030310444, 7053030310451, 7053030310468, 7053030310475, 7053030310482, 7053030310499, 7053030310505, 7053030310512, 7053030310529, 7053030310550, 7053030310567, 7053030310574, 7053030310581, 7053030310598, 7053030310604, 7053030310611, 7053030310628, 7053030310635, 7053030310642, 7053030310659, 7053030310666, 7053031000030, 7053030310673, 7053030310680

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

Use of the substance/preparation	Corrosion preventing paint

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]	Flam. Liq. 3;H226; STOT SE3;H336;
Substance / mixture hazardous properties	The chemical is flammable. May cause drowsiness or dizziness.

2.2. Label elements

Hazard Pictograms (CLP)

Composition on the label	Naphtha (petroleum), hydrotreated heavy:5 - 15 %, 1-Methoxypropan-2-ol:5 - 10 %, n-Butylacetate:< 2 %, 2-Ethoxy-1-methylethyl acetate:< 2 %
Signal word	Warning
Hazard statements	H226 Flammable liquid and vapour. 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. P261 Avoid breathing dust/spray. P271 Use only outdoors or in a well-ventilated area. P405 Store locked up. P501 Dispose of contents / container to approved depot.
Supplemental label information	EUH 066 Repeated exposure may cause skin dryness or cracking. EUH 208 Contains Butanone oxime. May cause allergic reaction.
VOC	**Product Subcategory :** One-component performance coating **Relevant VOC limit values:** 500 g/L LB **Maximum content of VOC:** <400 g/L

2.3. Other hazards

PBT / vPvB	PBT/vPvB assessment has not been performed.
Health effect	Repeated exposure may cause skin dryness or cracking. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals in contact with skin. This chemical contains a substance which may penetrate the skin. Splashes in the eyes may cause redness and irritation.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Naphtha (petroleum), hydrotreated heavy	CAS no.: 64742-48-9 EC no.: 265-150-3	Flam. Liq. 3; H226; Asp. tox 1; H304; STOT SE3; H336;	5 - 15 %
1-Methoxypropan-2-ol	CAS no.: 107-98-2 EC no.: 203-539-1	Flam. Liq. 3; H226 STOT SE3; H336	5 - 10 %
2-Methoxy-1-methylethyl acetate	CAS no.: 108-65-6 EC no.: 203-603-9	Flam. Liq. 3;H226;	5 - 10 %
n-Butylacetate	CAS no.: 123-86-4 EC no.: 204-658-1	Flam. Liq. 3;H226; STOT SE3;H336;	< 2 %
2-Ethoxy-1-methylethyl acetate	CAS no.: 54839-24-6 EC no.: 259-370-9	Flam. Liq. 3; H226 STOT SE 3; H336	< 2 %

	Index no.: 603-177-00-8		
Methyl lactate	CAS no.: 547-64-8 EC no.: 208-930-0 Index no.: 607-092-00-7	Flam. Liq. 3; H226 Eye Irrit. 2; H319 STOT SE 3; H335 Note : C	1 - 2 %
Butanone oxime	CAS no.: 96-29-7 EC no.: 202-496-6 Index no.: 616-014-00-0	Carc. 2; H351 Acute tox. 4; H312 Eye Dam. 1; H318 Skin Sens. 1; H317	< 0,4 %
Remarks, substance	CAS-nr.:64742-48-9 contains < 0,1% Benzene. This indicates that the ingredient is neither carcinogenic nor mutagenic.		
Substance comments	CAS-nr.: 64742-48-9 Reg.nr.: 01-2119463258 CAS-nr.: 107-98-2 Reg.nr.: 01-2119457435 CAS-nr.: 108-65-6 Reg.nr.: 01-2119475791-29 CAS-nr.: 123-86-4 Reg.nr.: 01-2119485493-29 CAS-nr.: 54839-24-6 Reg.nr.: 01-2119457558-25 CAS-nr.: 96-29-7 Reg.nr.: 01-2119539477-28 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. Get medical attention if any discomfort continues.
Ingestion	Give some cream or vegetable oil. Do not induce vomiting. Seek medical advice.

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

Information for health personnel	Risk of chemical pneumonia (pneumonitis) if aspirated during and after ingestion.
Acute symptoms and effects	Inhalation: Can cause headache, fatigue, nausea, dizziness and lightheadedness. Skin contact: The chemical dehydrates the skin on prolonged or repeated contact. Contains components which may penetrate the skin. Eye contact: Spray and vapour in the eyes may cause irritation and smarting. Ingestion may cause discomfort.

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	Flammable. 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: Dense smoke. Carbon monoxide (CO).

	Carbon dioxide (CO2). Oxides of nitrogen.

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. 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

Handling	Provide adequate ventilation. Avoid contact with eyes and skin. Avoid inhalation of vapours and spray mists. Persons susceptible to allergic reactions should not handle this product. 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	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. Alkalis. Oxidizing agents.
Additional information on storage conditions.	Store in accordance with regulations for flammable goods.

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
Naphtha (petroleum), hydrotreated heavy	CAS no.: 64742-48-9 EC no.: 265-150-3	8-hour TWA: 275 mg/m³ 8-hour TWA: 50 ppm	2010
1-Methoxypropan-2-ol	CAS no.: 107-98-2 EC no.: 203-539-1	8-hour TWA: 180 mg/m³ H, E 8-hour TWA: 50 ppm H, E	
2-Methoxy-1-methylethyl acetate	CAS no.: 108-65-6 EC no.: 203-603-9	8-hour TWA: 270 mg/m³ H, E 8-hour TWA: 50 ppm H, E	
n-Butylacetate	CAS no.: 123-86-4 EC no.: 204-658-1	8-hour TWA: 355 mg/m³ 8-hour TWA: 75 ppm	

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	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. 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. A risk assessment of the work place/work activities (the actual risk) may lead to other control measures.

Safety signs

Respiratory protection

Respiratory protection	If ventilation is insufficient, use a respirator with AX filter against solvent vapours. Use filtercombination A/P2 against arerosols 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.
Suitable gloves type	Nitrile.
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	> 480 minutes.
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 possible skin contact.

Appropriate environmental exposure control

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

Other Information

Other Information	Emergency shower and eye wash facilities should be available at the workplace.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Viscous liquid.
Colour	Various.
Odour	Aromatic.
Comments, Odour limit	Not available.
Comments, pH (as supplied)	Not relevant.
Comments, Melting point / melting range	Not entered.
Comments, Boiling point / boiling range	Not entered.
Flash point	**Value:** 26 °C **Method of testing:** DIN 53213
Comments, Evaporation rate	Not entered.
Flammability (solid, gas)	Not relevant.
Lower explosion limit with unit of measurement	0,5 vol%
Upper explosion limit with units of measurement	11 vol%
Vapour pressure	**Value:** 5-15 hPa (20 °C)
Comments, Vapour pressure	Literature value.
Comments, Vapour density	Not entered.
Density	**Value:** 1,1 - 1,4 **Comments:** The value is color depending. **Temperature:** 20 °C
Solubility in water	ca. 10 % at 20°C.
Comments, Partition coefficient: n-octanol / water	Not entered.
Spontaneous combustability	**Value:** > 240 °C **Method of testing:** DIN 51794
Comments, Decomposition temperature	Not entered.
Viscosity	**Value:** > 140 s @ 20 °C **Method of testing:** 4mm (DIN 53211)
Oxidising properties	Not entered.

9.2. Other information

Content Of Voc	**Value:** < 400 g/L **Comments:** VOC-content (ca. 30%).

Other physical and chemical properties

Physical and chemical properties	The chemical will thicken due to evaporation of solvents if the packaging is not closed.
Comments	Percentage of dry matter: ca. 70%

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Vapors may form explosive mixtures with air. Exothermal reaction with: Materials listed in Section 10.5.

10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.

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)

10.4. Conditions to avoid

Conditions to avoid	Heat and sources of ignition.

10.5. Incompatible materials

Materials to avoid	Strong acids. Oxidizing agents. Alkalies.

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:

LD50 oral	**Value:** > 2000 mg/kg **Animal test species:** Rat **Comments:** Applies to CAS-no. 64742-48-9
LD50 oral	**Value:** 8532 mg/kg **Animal test species:** Rat **Comments:** Applies to CAS-no.108-65-6
LD50 oral	**Value:** 7200 mg/kg **Animal test species:** Rat **Comments:** Applies to CAS-no.107-98-2
LD50 dermal	**Value:** 14000 mg/kg **Animal test species:** Rabbit **Comments:** Applies to CAS-no.107-98-2
LD50 dermal	**Value:** > 2000 mg/kg **Animal test species:** Rat **Comments:** Applies to CAS-no.64742-48-9
LD50 dermal	**Value:** > 5000 mg/kg **Animal test species:** Rat **Comments:** Applies to CAS-no.108-65-6
LC50 inhalation	**Value:** 54,6 mg/l **Animal test species:** Rat **Duration:** 4h **Comments:** Applies to CAS-no.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.

Acute toxicity, Mixture estimate

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

Potential acute effects

Inhalation	Solvent vapours are hazardous and may cause nausea, sickness and headaches.
Skin contact	Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Contains components which may penetrate the skin. The chemical contains

	small amounts of allergenic substances that may trigger allergies in sensitive people.
Eye contact	Vapour or spray may cause temporary (reversible) eye damage.
Ingestion	May cause discomfort if swallowed. Chemical pneumonitis may occur if vomit of solvents get into the lungs.
Irritation	Based on available data, the classification criteria are not met.
Corrosivity	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

Delayed effects / repeated exposure

Inhalation	Prolonged and repeated contact with solvents may lead to permanent health damage.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Sensitisation	Based on available data, the classification criteria are not met. The chemical contains small amount of allergy-causing material which may give rise to allergy to sensitive persons.
Chronic effects	May cause damage to the liver and kidneys.
STOT-single exposure	Vapours may cause drowsiness and dizziness.

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

Acute aquatic, fish	**Value:** > 1000 mg/l **Method of testing:** LC50 **Fish, species:** n/a **Test reference:** Applies to CAS-no.64742-48-9
Acute aquatic, algae	**Value:** > 1000 mg/l **Method of testing:** LC50 **Algae, species:** n/a **Test reference:** Applies to CAS-no.64742-48-9
Ecotoxicity	The chemical is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills may be potentially hazardous.

12.2. Persistence and degradability

Persistence and degradability	Volatile substances are degraded in the atmosphere within a few days.

12.3. Bioaccumulative potential

Bioaccumulative potential	Not expected to bioaccumulate.

12.4. Mobility in soil

Mobility	Insoluble or slightly soluble in water. Sinks in water.

12.5. Results of PBT and vPvB assessment

PBT assessment results	PBT assessment has not been performed.
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 disposal	Disposed of as hazardous waste by approved contractor. The waste code (EWC-Code) is intented 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
EWC waste code	EWC: 08 01 11 waste paint and varnish containing organic solvents or other dangerous substances
NORSAS	7042 Organiske løsemidler uten halogen
Other Information	Do not empty into drains.

SECTION 14: Transport information

14.1. UN number

ADR / RID / ADN	1263
RID	1263
IMDG	1263
ICAO/IATA	1263

14.2. UN proper shipping name

ADR	MALING
RID	MALING
IMDG	PAINT
ICAO/IATA	PAINT

14.3. Transport hazard class(es)

ADR / RID / ADN	3
RID	3
IMDG	3
ICAO/IATA	3

14.4. Packing group

ADR	III
RID	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

IMDG Marine pollutant	No

14.6. Special precautions for user

RID Other applicable information	Limited Quantity <450 L.
IMDG Additional information	Limited Quantity < 30 L.
EmS	F-E, S-E

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

ADR / RID - Other information

ADR additional information	Limited Quantity <450 L.
Tunnel restriction code	(D/E)
Hazard no.	30

SECTION 15: Regulatory information

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

Declaration no.	85024
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. FOR-2011-12-06 nr 1358 Norwegian regulation on exposure limits, with later amendments. Norwegian regulations on waste, no. 930/2004, from the Ministry of Environment. Dangerous Goods regulations

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]	Flam. Liq. 3; H226; STOT SE3; H336;
List of relevant H-phrases (Section 2 and 3).	H318 Causes Serious eye damage. H304 May be fatal if swallowed and enters airways. H226 Flammable liquid and vapour. H336 May cause drowsiness or dizziness. H335 May cause respiratory irritation. H317 May cause an allergic skin reaction. H312 Harmful in contact with skin. H351 Suspected of causing cancer 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 LC50: Median concentration lethal to 50% of a test population. 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: 17.11.2014
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.	42714238, 40797870, 40798209, 40798217, 40798225, 40798266, 40798274, 40798282, 40798290, 40798308, 41346222, 41347220, 41347238, 41347246, 41347279, 41347287, 41347295, 41347303, 41347311, 41347329, 41347337, 41347345, 41347352, 41347402,

41347436, 41347469, 41347485, 41347493, 41347519, 41347543, 41347550, 41347584, 41347618, 41347667, 41347675, 41347691, 41347709, 41347725, 41347733, 41347741, 41347758, 41347816, 41347824, 41347899, 41347907, 41347915, 41347923, 41347949, 41347956, 41348012, 41348020, 41348038, 41348046, 41348061, 41348087, 41348103, 41348129, 41348335, 41348350, 41348368, 41348376, 41348384, 41368192, 41368226, 41368242, 41368259, 41368267, 41368275, 41368283, 41368291, 41368309, 41368317, 41368325, 41368333, 41368515, 41368523, 41368531, 41368556, 41368572, 41368614, 41368705, 41368721, 41368747, 41368770, 41368838, 41368911, 41368952, 41368960, 41430653, 41430661, 41430687, 41741745, 41741753, 41741764, 41741772, 41741783, 41741798, 41741802, 41741817, 42714212, 42714223, 42714242, 42714257, 42714261, 42714276, 42714280, 42714295, 42714306, 42714314, 42714325, 42714333, 42714344, 42714352, 42840026, 42840098, 43999143, 43999162, 43999177, 43999181, 43999196, 44040553, 44040564, 44040572, 44040583, 44040598, 44040602, 44040617, 44040636, 44040655, 44040666, 44040674, 44040685, 44040693, 44116376, 44116380, 44307616, 44393474, 44433105, 44433113, 44433124, 44458695, 44458706, 45467274, 45467312, 49049821, 49049836, 49049840, 49049855, 49049874, 49049885, 49050275