Safety Data Sheet

According to 1907/2006 (REACH) Article 31,
2015/830/EU and 1272/2008/EC
Date: 11.10.2017 – Version A

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

COB DRY POWER

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

Concentrated rinse aid for dishwashing machines.

1.3 Details of the supplier of the safety data sheet:

COBART CHEMICALS
BARBOUNAKIS SA
Samou 27, 163 42 ILIOUPOLI, ATHENS
Tel.: (+30) 210.9954953 - 210.99629355, Fax: (+30) 210.9962356
e-mail: info@cobart.gr

1.4 Emergency telephone number:

Hellenic Poison Centre Tel.:	**(+30) 210.7793777**
European Emergency Tel.:	**112**

Supplier's emergency telephone number:

Calls from 08:00 to 16:00:	(+30) 210.9954953

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

Hazard classification and indication: **void**

2.2 Label elements:

Hazard pictograms: **void**

Signal words: **void**

Hazard statements:

EUH210	Safety data sheet available on request.

Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

2.3 Other hazards:

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:
Information not relevant.

3.2 Mixtures:
Contains:

Identification	Conc. %.	Classification 1272/2008 (CLP)
Fatty alcohol alkoxylate 4		
CAS. - CE. - INDEX. - Reg. no. 02-2119552554-37-0000	1 - 10	Eye Dam. 2 H319, Skin Irrit. 2 H315
1-methoxypropan-2-ol		
CAS. 107-98-2 CE. 203-539-1 INDEX. - Reg. no. 01-2119486762-27-0000	1 - 10	Flam. Liq. 3 H226, STOT SE 3 H336
Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt		
CAS. - CE. 939-625-7 INDEX. - Reg. no. 01-2119985168-23-0000	0.1 - 1	Eye Dam. 2 H319, Skin Irrit. 2 H315

The full wording of the hazard (H) phrases is given in section 16 of the sheet.

4. FIRST AID MEASURES

4.1 Description of first aid measures:
Not specifically necessary. Observance of good industrial hygiene is recommended.

4.2 Most important symptoms and effects, both acute and delayed:
No episodes of damage to health ascribable to the product have been reported.

4.3 Indication of any immediate medical attention and special treatment needed:
Information not available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media:
SUITABLE EXTINGUISHING EQUIPMENT
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT
None in particular.

5.2 Special hazards arising from the substance or mixture:
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products.

5.3 Advice for firefighters:
GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal firefighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in

combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:
Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental precautions:
The product must not penetrate the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up:
Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in section 13.

6.4 Reference to other sections:
Any information on personal protection and disposal is given in sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:
Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2 Conditions for safe storage, including any incompatibilities:
Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end use(s):
Information not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

1-METHOXY-2-PROPANOL						
Threshold Limit Value.						
Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
WEL	GRB	375	100	560	150	SKIN
TLV	GRC	360	100	1080	300	
OEL	EU	375	100	568	150	SKIN
TLV-ACGIH		184	50	368	100	

8.2 Exposure controls:
As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.

8.2.1 *Eye protection:*
Wear airtight protective goggles (see standard EN 166).

8.2.2 *Skin protection:*
Hand protection:
Protect hands with category III work gloves (see standard EN 374).
The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.
The work gloves resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves wear time depends on the duration and type of use.

Other skin protection:
Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

8.2.3 *Respiratory protection:*
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapors of various kinds and/or gases or vapors containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.
If the substance considered is odorless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

8.2.4 *Environmental exposure controls:*
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid
Color:	Blue
Odor:	Characteristic
pH (solution):	2.50 – 3.50
Flash point:	> 60°C
Density:	1.02 gr/ml
Solubility:	In the water

9.2 Other informations:

VOC (Directive 2010/75/EC):	10.00 %
VOC (volatile carbon):	5.33 %

10. STABILITY AND REACTIVITY

10.1 Reactivity:
There are no particular risks of reaction with other substances in normal conditions of use.
1-METHOXY-2-PROPANOL
Dissolves various plastic materials. Stable in normal conditions of use and storage.
Absorbs and dissolves in water and in organic solvents. With air it may slowly form explosive peroxides.

10.2 Chemical stability:
The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions:
The vapors may also form explosive mixtures with the air.
1-METHOXY-2-PROPANOL
May react dangerously with: strong oxidizing agents, strong acids.

10.4 Conditions to avoid:
Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.
1-METHOXY-2-PROPANOL
Avoid exposure to: air.

10.5 Incompatible materials:
1-METHOXY-2-PROPANOL
Incompatible with: oxidizing substances, strong acids, alkaline metals.

10.6 Hazardous decomposition products:
In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

11. TOXICOLOGICAL INFORMATION

According to the available data, this product has not caused any health damage. In any case, should be treated with care in line with good industrial practices

11.1 Information on toxicological effects:

Metabolism, toxicokinetics, mechanism of action and other information
Information not available
Information on likely routes of exposure
1-METHOXY-2-PROPANOL
WORKERS: inhalation; contact with the skin.
POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.
Delayed and immediate effects as well as chronic effects from short and long-term exposure
1-METHOXY-2-PROPANOL
The main route of entry is the skin, whereas the respiratory route is less important due to the low vapour pressure of the product. Above 100 ppm causes irritation of the eye, nose and oropharynx mucous membranes. At 1000 ppm, disturbance of equilibrium and severe eye irritation can be noticed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and eye irritation with direct contact. No chronic effects on humans have been reported.
Interactive effects
Information not available

ACUTE TOXICITY
LC_{50} (Inhalation) of the mixture: Not classified (no significant component).
LD_{50} (Oral) of the mixture: Not classified (no significant component).
LD_{50} (Dermal) of the mixture: Not classified (no significant component).

1-METHOXY-2-PROPANOL
LD_{50} (Oral) 5300 mg/kg Rat
LD_{50} (Dermal) 13000 mg/kg Rabbit

SKIN CORROSION / IRRITATION.
Does not meet the classification criteria for this hazard class.
SERIOUS EYE DAMAGE / IRRITATION.
Does not meet the classification criteria for this hazard class.
RESPIRATORY OR SKIN SENSITISATION.
Does not meet the classification criteria for this hazard class.
GERM CELL MUTAGENICITY.
Does not meet the classification criteria for this hazard class.
CARCINOGENICITY.
Does not meet the classification criteria for this hazard class.
REPRODUCTIVE TOXICITY.
Does not meet the classification criteria for this hazard class.
STOT - SINGLE EXPOSURE.
Does not meet the classification criteria for this hazard class.
STOT - REPEATED EXPOSURE.
Does not meet the classification criteria for this hazard class.
ASPIRATION HAZARD.
Does not meet the classification criteria for this hazard class.

12. ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1 Toxicity:
Information not available.

12.2 Persistence and degradability:
1-METHOXY-2-PROPANOL
Solubility in water. 1000 - 10000 mg/l
Rapidly degradable.

12.3 Bioaccumulative potential:
1-METHOXY-2-PROPANOL
Partition coefficient: n-octanol/water. < 1

12.4 Mobility in soil:
Information not available.

12.5 Results of PBT and vPvB assessment:
Based on available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

12.6 Other adverse effects:
Information not available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:
Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. TRANSPORT INFORMATION

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1 UN number:
Not applicable.

14.2 UN proper shipping name:
Not applicable.

14.3 Transport hazard class(es):
Not applicable.

14.4 Packing group:
Not applicable.

14.5 Environmental hazards:
Not applicable.

14.6 Special precautions for user:
Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:
Information not relevant.

15. REGULATORY INFORMATION

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

Seveso Category - Directive 2012/18/EC**: None**

Substances in Candidate List (Art. 59 REACH).
Based on available data, the product does not contain any SVHC in percentage greater than 0.1%.

Substances subject to authorisation (Annex XIV REACH).
None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012.
None.

Substances subject to the Rotterdam Convention.
None.

Substances subject to the Stockholm Convention.
None.

Healthcare controls.
Information not available.

Regulation (EC) No. 648/2004.
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

15.2 Chemical safety assessment:
No chemical safety assessment has been processed for the mixture and the substances it contains.

16. OTHER INFORMATION

Publisher of Safety Data Sheet:

QACS Ltd
Quality Assurance and Control Systems
1, Antigonis str., 144 51, Metamorfosi, Athens, Greece
Tel.: +30 210 2364745, Fax: +30 210 2934606
E-mail: info@qacs.gr
Website: www.qacslab.com

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 3	Flammable liquids, category 3.
STOT SE 3	Specific Target Organ Toxicity - Single exposure, category 3.
H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
EUH210	Safety data sheet available on request.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals

- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. The Merck Index. - 10th Edition
13. Handling Chemical Safety
14. Niosh - Registry of toxic effects of chemical substances
15. INRS - Fiche Toxicologique (toxicological sheet)
16. Patty - Industrial Hygiene and Toxicology
17. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
18. Ιστοσελίδα Web Agenzia ECHA

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:
The following sections were modified:
Initial version.