



## SAFETY DATA SHEET

### COVER POWER CLEANER PRO

Issued on 12/02/2010 - Rel. # 2 on 04/28/2017

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In conformity to Regulation (EU) 2015/830

#### SECTION1. Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product code : COVER POWER CLEANER PRO

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

Alkaline detergent for industrial use

Sectors of use: Professional use[SU22]

Uses advised against: Do not use for purposes other than those listed

##### 1.3. Details of the supplier of the safety data sheet

COVERNANOTECH - COVERGROUP

Via Toscanini, 12 · 20010 Arluno (MI)

Tel. +39 02 9015236 - Mobile +39 328 0570642

www.covergroupitaly.com

email: info@covergroupitaly.com - info@coverplast.eu

##### 1.4. Emergency telephone number

Centro Antiveleni di Pavia: +39 0382 24444 (CAV IRCCS Fondazione Maugeri, Pavia, Italy)

Centro Antiveleni di Firenze: +39 055 7947819 (CAV Ospedale Careggi, Firenze, Italy)

Centro Antiveleni di Roma: +39 06 3054343 (CAV Policlinico Gemelli, Roma, Italy)

Centro Antiveleni di Roma: +39 06 49978000 (CAV Policlinico Umberto I, Roma, Italy)

Centro Antiveleni di Napoli: +39 081 7472870 (CAV Ospedale Cardarelli, Napoli, Italy)

IPCS: [http://www.who.int/gho/phe/chemical\\_safety/poisons\\_centres/en/index.html](http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/index.html)

#### SECTION2. Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS07

Hazard Class and Category Code(s):

Skin Irrit. 2, Eye Irrit. 2

Hazard statement Code(s):

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

##### 2.2. Label elements

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

Pictogram, Signal Word Code(s):





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#### GHS07 - Warning

Hazard statement Code(s):

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352 - IF ON SKIN: Wash with plenty of water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

Contains (Reg.EC 648/2004):

< 5% phosphates, non-ionic surfactants

#### 2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

For professional use only

### SECTION3. Composition/information on ingredients

#### 3.1 Substances

Irrilevant

#### 3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Identificativi
2-(2-BUTOXYETHOXY)ETHANOL	> 1 <= 5%	Eye Irrit. 2, H319	CE 603-096-00-8 CAS 112-34-5 EINECS 203-961-6 REACH 01-2119475104-44
TETRAPOTASSIUM PYROPHOSPHATE	> 1 <= 5%	Eye Irrit. 2, H319	CE CAS 7320-34-5 EINECS 230-785-7 REACH 01-2119489369-18
POTASSIUM HYDROXYDE substance for which there are Community workplace exposure limits	> 0,1 <= 0,5%	Met. Corr. 1, H290; Acute Tox. 4, H302; Skin Corr. 1A, H314	CE 019-002-00-8 CAS 1310-58-3 EINECS 215-181-3 REACH 01-2119487136-33

### SECTION4. First aid measures



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#### 4.1. Description of first aid measures

##### Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

##### Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

In case of contact with skin, wash immediately with water.

##### Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

##### Ingestion:

Rinse mouth with water of the subject. Consult a physician.

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

No data available.

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

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

### SECTION5. Firefighting measures

#### 5.1. Extinguishing media

##### Advised extinguishing agents:

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.

##### Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

#### 5.2. Special hazards arising from the substance or mixture

No data available.

#### 5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

### SECTION6. Accidental release measures



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#### 6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

#### 6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the the authorities.

Discharge the remains in compliance with the regulations

#### 6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash the area and materials involved

6.3.3 Other information:

None in particular.

#### 6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

### SECTION 7. Handling and storage

#### 7.1. Precautions for safe handling

Avoid contact and inhalation of vapors

Wear protective gloves/protective clothing/eye protection/face protection.

At work do not eat or drink.

See also paragraph 8 below.

#### 7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and direct exposure of sunlight.

#### 7.3. Specific end use(s)

Professional use:

Follow the rules of good hygiene in the workplace.



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#### SECTION 8. Exposure controls/personal protection

##### 8.1. Control parameters

Related to contained substances:

2-(2-BUTOXYETHOXY)ETHANOL:

TLV-TWA: 10ppm; 67,5mg/m<sup>3</sup> (2006/15/EC).

TLV-STEL: 15ppm; 101,2mg/m<sup>3</sup> (2006/15/EC).

MAK: 100 mg/m<sup>3</sup> peak limitation category: I (1) Pregnancy risk group: C (DFG 2003).

TETRAPOTASSIUM PYROPHOSPHATE:

TLV-TWA=4mg/m<sup>3</sup> (EK EH 40)

POTASSIUM HYDROXYDE:

TLV-STEL:2 mg/m<sup>3</sup>, 0,87ppm (EC).

TLV-TWA:2 mg/m<sup>3</sup> (EC).

- Substance: 2-(2-BUTOXYETHOXY)ETHANOL

DNEL

Systemic effects Long term Workers inhalation = 67,5 (mg/m<sup>3</sup>)

Systemic effects Long term Workers dermal = 20 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 34 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers dermal = 10 (mg/kg bw/day)

Systemic effects Short term Consumers oral = 1,25 (mg/kg bw/day)

Local effects Long term Workers inhalation = 67,5

Local effects Long term Consumers inhalation = 34 (mg/m<sup>3</sup>)

Local effects Short term Consumers inhalation = 50,6 (mg/m<sup>3</sup>)

PNEC

Sweet water = 1 (mg/l)

sediment Sweet water = 4 (mg/kg/sediment)

Sea water = 0,1 (mg/l)

sediment Sea water = 0,4 (mg/kg/sediment)

intermittent emissions = 3,9 (mg/l)

STP = 200 (mg/l)

ground = 0,4 (mg/kg ground)

- Substance: TETRAPOTASSIUM PYROPHOSPHATE

DNEL

Systemic effects Long term Workers inhalation = 2,79 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers inhalation = 0,68 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers oral = 70 (mg/kg bw/day)

PNEC

Sweet water = 0,05 (mg/l)

Sea water = 0,005 (mg/l)

intermittent emissions = 0,5 (mg/l)

STP = 50 (mg/l)

- Substance: POTASSIUM HYDROXYDE

DNEL

Systemic effects Long term Workers inhalation = 1 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers inhalation = 1 (mg/m<sup>3</sup>)



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#### 8.2. Exposure controls



Appropriate engineering controls:

Professional use:

Well ventilated environment. Observe the safety measures used in handling chemicals.

Individual protection measures:

a) Eye / face protection

Wear mask

b) Skin protection

i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

ii) Other

When handling the pure product wear full protective skin clothing.

c) Respiratory protection

Use adequate protective respiratory equipment (EN 141)

d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

## SECTION 9. Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value
Appearance	Orange liquid
Odour	Characteristic
Odour threshold	Not determined
pH	12,3 (sol 10%)
Melting point/freezing point	Not determined
Initial boiling point and boiling range	>100°C
Flash point	>65°C
Evaporation rate	Not determined
Flammability (solid, gas)	Irrelevant
Upper/lower flammability or explosive limits	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	1,035g/cm <sup>3</sup>
Solubility	Non determinato
Water solubility	Soluble in each report



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Physical and chemical properties	Value
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Non-explosive
Oxidising properties	Not determined

#### 9.2. Other information

No data available.

### SECTION 10. Stability and reactivity

#### 10.1. Reactivity

No reactivity hazards

#### 10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

#### 10.3. Possibility of hazardous reactions

There are no hazardous reactions

#### 10.4. Conditions to avoid

Nothing to report

#### 10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, inorganic sulfide, strong reducing agents.

It can generate toxic gases to contact with inorganic sulfide, strong reducing agents.

#### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

### SECTION 11. Toxicological information

#### 11.1. Information on toxicological effects

ATE(mix) oral = 60.000,0 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞



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(a) acute toxicity: 2-(2-BUTOXYETHOXY)ETHANOL: Acute hazards/symptoms;

Skin: dry scalp.

Eye: Eye Redness. Pain.

POTASSIUM HYDROXYDE: ACUTE HAZARDS/SYMPTOMS:

Inhalation: Corrosive. Burning sensation. Sore throat. Cough. Difficulty in breathing. Shortness of breath. Symptoms may be delayed (see notes).

SKIN: Irritant. Redness. Pain. Blisters. Severe skin burns.

EYES: Corrosive. Redness. Pain. Blurred vision. Severe deep burns.

Ingestion: Corrosive. Abdominal pain. Burning sensation. Shock or collapse.

(b) skin corrosion/irritation: If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.

POTASSIUM HYDROXYDE: The substance is highly corrosive to the respiratory tract. Corrosive if swallowed. Inhaling an aerosol of this substance can cause pulmonary edema (see notes).

2-(2-BUTOXYETHOXY)ETHANOL: Irritating.

TETRAPOTASSIUM PYROPHOSPHATE: The product is not an annoying. Repeated and extended direct contacts can take the grease out of and irritate the skin causing in some cases dermatitis.

(c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

POTASSIUM HYDROXYDE: Very corrosive.

TETRAPOTASSIUM PYROPHOSPHATE: The accidental contact of the product with the eyes can provoke irritations.

(d) respiratory or skin sensitization: based on available data, the classification criteria are not met.

(e) germ cell mutagenicity: based on available data, the classification criteria are not met.

(f) carcinogenicity: based on available data, the classification criteria are not met.

(g) reproductive toxicity: based on available data, the classification criteria are not met.

(h) specific target organ toxicity (STOT) single exposure: 2-(2-BUTOXYETHOXY)ETHANOL: The substance 'irritating to eyes

(i) specific target organ toxicity (STOT) repeated exposure: TETRAPOTASSIUM PYROPHOSPHATE: Exposures extended to vapors or fogs of the product can cause irritations to the respiratory ways.

POTASSIUM HYDROXYDE: Repeated or prolonged contact with skin may cause dermatitis.

(j) aspiration hazard: TETRAPOTASSIUM PYROPHOSPHATE: The ingested product can provoke irritation of the mucosae of the throat and dell' apparatus digesting with consequent anomalous digestive symptoms and internal disturbances.

POTASSIUM HYDROXYDE: The substance can be absorbed into the body by inhalation of its aerosol and by ingestion. Evaporation at 20°C negligible; a harmful concentration of aereodisperse particles can, however, be reached quickly.

Related to contained substances:

2-(2-BUTOXYETHOXY)ETHANOL:

A harmful contamination of air sar reached slowly for evaporation of this substance at 20°C; However, for spraying or scattering, much more quickly.

The liquid degreasing the skin features.

LD50 (rat) Oral (mg/kg body weight) = 2410

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2764

TETRAPOTASSIUM PYROPHOSPHATE:

LD50 (rat) Oral (mg/kg body weight) = 1,1

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 7940

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 1,1

POTASSIUM HYDROXYDE:

NOTE. The exposure limit value must not be exceeded in any moment of exposure. Symptoms of lung oedema often do not occur before a few hours and are aggravated by physical effort. Are therefore essential rest and medical observation.

LD50 (rat) Oral (mg/kg body weight) = 270

## SECTION12. Ecological information



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#### 12.1. Toxicity

Related to contained substances:

2-(2-BUTOXYETHOXY)ETHANOL:

Toxic for fish:

LD50 (83d) = 1300mg/L

Toxic to invertebrates:

EC50 (48 h) = 100 mg/L (Daphnia magna)

Toxic for algae:

EC50 (192h) = 53mg/L

C(E)L50 (mg/l) = 100

TETRAPOTASSIUM PYROPHOSPHATE:

Ecological effects: the phosphate is a nutriment for the vegetables and therefore it can favor the increase of the fitoplancton nell' water.

POTASSIUM HYDROXYDE:

This substance can be dangerous for the environment; Special attention must be paid to aquatic organisms.

Use according to good working practices to avoid pollution into the environment.

#### 12.2. Persistence and degradability

Related to contained substances:

2-(2-BUTOXYETHOXY)ETHANOL:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

TETRAPOTASSIUM PYROPHOSPHATE:

Persistence and degradability: possible elimination in aqueous solutions by means of flocculation.

#### 12.3. Bioaccumulative potential

No data available.

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

#### 12.6. Other adverse effects

No adverse effects

Regulation (EC) No 2006/907 - 2004/648

More information:

Surfactant (s) content (s) in this preparation is (are) in accordance with the biodegradability criteria as laid down in Regulation CE/648/2004 on detergents. All supporting data shall be available to the competent authorities of Member States and will be provided, if they so request or at the request of a manufacturer of the formulation, the said authorities.

### SECTION13. Disposal considerations



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#### 13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Operate according to local or national regulations

### SECTION 14. Transport information

#### 14.1. UN number

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

#### 14.2. UN proper shipping name

None

#### 14.3. Transport hazard class(es)

None

#### 14.4. Packing group

None

#### 14.5. Environmental hazards

None

#### 14.6. Special precautions for user

No data available.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

### SECTION 15. Regulatory information

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

Reg (EC) n. 1907/2006 (REACH), Reg (EC) n. 1272/2008 (CLP), Reg (EC) n. 830/2015 (Requirements for the compilation of safety data sheets), Reg (E) n.790/2009, Dir 96/82/EC as amended.  
REGULATION (EU) No 1357/2014 - waste:  
HP8 - Corrosive



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#### 15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

### SECTION 16. Other information

#### 16.1. Other information

Description of the hazard statements exposed to point 3

H319 = Causes serious eye irritation.

H290 = May be corrosive to metals.

H302 = Harmful if swallowed.

H314 = Causes severe skin burns and eye damage.

Classification based on data of all mixture components

Regulatory information:

Reg 1907/2006 EC

Reg 1272/2008 EC

Reg 830/2015 EC

Bibliographic data :

SAX 12 Ed Van Nostrand Reinhold

MERCK INDEX 15 Ed

ECHA: European Chemicals Agency

OSHA: European Agency for Safety and Health at Work

IARC: International Agency for Research on Cancer

IPCS: International Programme on Chemical Safety (Cards)

NIOSH: Registry of toxic effects of chemical substances (1983)

ACGIH: American Conference of Governmental Industrial Hygienists

TOXNET: Toxicology Data Network

WHO: World Health Organization

CheLIST: Chemical Lists Information System

Acronyms:

- ACGIH American Conference of Governmental Industrial Hygienists
- ADR Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route (European accord regarding international transport of dangerous goods by land)
- bw body weight
- CLP Classification, Labelling and Packaging
- CSR Chemical Safety Report
- DMEL Derived Minimal Effect Level
- DNEL Derived No Effect Level
- dw dry weight
- EC Effective Concentration
- IATA International Air Transport Association
- IMDG International Maritime Dangerous Goods
- LC Lethal Concentration
- LD Lethal Dose
- m.w. molecular weight
- PBT Persistent, Bioaccumulative and Toxic
- PNEC Predicted No Effect Concentration
- OECD Organisation / Office for Economic Co-operation and Development
- STEL Short Term Exposure Limit
- SVHC Substance of Very High Concern
- TLV Threshold Limit Value
- TWA Time Weighted Average



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- vPvB very Persistent, very Bioaccumulative and toxic
- WGK Wassergefährdungsklasse (Water hazard class)

#### NOTICE TO USERS

The information contained in this sheet are based on the knowledge available at the date of the preparation of this sheet.

The user must be aware of the possible risks associated with the use of the product, other than that for which the product is supplied. The sheet does not exonerate the user from knowing and applying all the regulations governing its activities. The set of regulations mentioned is simply to help the user to fulfill its obligations regarding the use of hazardous products.

This sheet does not exonerate the user from other legal obligations than those mentioned and from rules regulating possession and use of the product, since the user is the only responsible.

\*\*\* This sheet supersedes all previous editions.

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