



SAFETY DATA SHEET

COVER NANO DIRTYSTOP

Issued on 02/02/2015 - Rel. # 2 on 11/19/2015

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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 NANO DIRTYSTOP

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

Mixture with superhydrophobic effect.

Sectors of use: Private households (= general public = consumers)[SU21], 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

SECTION2. Hazards identification

2.1. Classification of the substance or mixture

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

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Pictograms:

None

Hazard Class and Category Code(s):

Nonhazardous

Hazard statement Code(s):

Nonhazardous

2.2. Label elements

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

Pictogram, Signal Word Code(s):



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None

Hazard statement Code(s):

Nonhazardous

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

Content of VOC ready to use condition: 2,00 %

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

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-BUTOXYETHANOL	> 1 <= 5%	Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 4, H332	CE 603-014-00-0 CAS 111-76-2 EINECS 203-905-0 REACH 01-2119475108-36

SECTION4. First aid measures

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):

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

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



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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 medical advice is needed, have product container or label at hand.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO₂, 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

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Wear gloves and protective clothing

6.1.2 For emergency responders:

Wear 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



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6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

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

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)

Private households (= general public = consumers):

Handle in a well ventilated area.

Public domain (administration, education, entertainment, services, craftsmen):

Follow the rules of good hygiene in the workplace.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:

2-BUTOXYETHANOL:

TLV-TWA: 98mg/m³, 20 ppm(EC)

TLV-STEL: 246mg/m³, 50 ppm (EC)

- Substance: 2-BUTOXYETHANOL

DNEL

Systemic effects Long term Workers inhalation = 98 (mg/m³)

Systemic effects Long term Workers dermal = 89 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 59 (mg/m³)

Systemic effects Long term Consumers dermal = 75 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 6,3 (mg/kg bw/day)

Systemic effects Short term Workers inhalation = 1091 (mg/m³)

Systemic effects Short term Workers dermal = 125 (mg/kg bw/day)



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Systemic effects Short term Consumers inhalation = 426 (mg/m³)
Systemic effects Short term Consumers dermal = 89 (mg/kg bw/day)
Systemic effects Short term Consumers oral = 26,7 (mg/kg bw/day)
Local effects Short term Workers inhalation = 246 (mg/m³)
Local effects Short term Consumers inhalation = 147 (mg/m³)
PNEC
Sweet water = 8,8 (mg/l)
sediment Sweet water = 34,6 (mg/kg/sediment)
Sea water = 0,88 (mg/l)
sediment Sea water = 3,46 (mg/kg/sediment)
intermittent emissions = 9,1 (mg/l)
STP = 463 (mg/l)
ground = 2,33 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:
Private households (= general public = consumers):
Observe usual safety precautions in the handling of chemicals.

Public domain (administration, education, entertainment, services, craftsmen):
Well ventilated environment. Observe the safety measures used in handling chemicals.

Individual protection measures:

a) Eye / face protection
Not needed for normal use.

b) Skin protection

i) Hand protection
Not needed for normal use.

ii) Other
Wear normal work clothing.

c) Respiratory protection
Not needed for normal use.

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	White liquid



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Physical and chemical properties	Value
Odour	Characteristic
Odour threshold	Irrelevant
pH	6
Melting point/freezing point	Undefined
Initial boiling point and boiling range	100°C
Flash point	>65°C
Evaporation rate	Undefined
Flammability (solid, gas)	Irrelevant
Upper/lower flammability or explosive limits	Undefined
Vapour pressure	Undefined
Vapour density	Not determined
Relative density	1 g/cm ³ (20°C)
Solubility	Undefined
Water solubility	Miscible in any relationship
Partition coefficient: n-octanol/water	Undefined
Auto-ignition temperature	Undefined
Decomposition temperature	Not determined
Viscosity	Undefined
Explosive properties	Irrelevant
Oxidising properties	Undefined

9.2. Other information

Content of VOC ready to use condition: 2,00 %

SECTION 10. Stability and reactivity

10.1. Reactivity

Related to contained substances:
2-BUTOXYETHANOL:
Reaction with acid oxidizing agents.

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



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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 = 15.000,0 mg/kg

ATE(mix) dermal = 11.000,0 mg/kg

ATE(mix) inhal = 110,5 mg/l/4 h

(a) acute toxicity: 2-BUTOXYETHANOL: The substance irritates the eyes, the skin and the respiratory tract. The substance may cause effects on the central nervous system, blood, kidneys and liver.

Acute hazards/symptoms;

Inhalation: Cough. Vertigo. Drowsiness. Headaches. Nausea. Weakness.

Skin: May be absorbed! Dry scalp. (Further see inhalation).

Eye: Redness. Pain. Blurred vision.

Ingestion: abdominal pain. Diarrhea. Nausea. Vomiting. (Further see inhalation).

(b) skin corrosion/irritation 2-BUTOXYETHANOL: Irritating.

(c) serious eye damage/irritation: 2-BUTOXYETHANOL: Irritating.

(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-BUTOXYETHANOL: The substance is irritating to the eyes, the skin and the respiratory tract. The substance may cause effects on the central nervous system, blood, kidneys and liver.

(i) specific target organ toxicity (STOT) repeated exposure: 2-BUTOXYETHANOL: The liquid defats skin.

(j) aspiration hazard: based on available data, the classification criteria are not met.

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LD50 (rat) Oral (mg/kg body weight) = 5,88

Related to contained substances:

2-BUTOXYETHANOL:

A harmful contamination of the air will be reached quite slowly due to evaporation of the substance at 20°C.

LD50 (rat) Oral (mg/kg body weight) = 1746

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 2,21

SECTION 12. Ecological information

12.1. Toxicity

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C(E)L50 (mg/l) = 85

NOEC (mg/l) = 36

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



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12.2. Persistence and degradability

Related to contained substances:

2-BUTOXYETHANOL:

The product is completely miscible with water.

If left on the soil surface, partial evaporation, but significant rate persists for more than a day. Large volumes may penetrate soil and contaminate groundwater.

12.3. Bioaccumulative potential

Related to contained substances:

2-BUTOXYETHANOL:

Non-persistent and bioaccumulative ($\log P(o/w) < 1$)

12.4. Mobility in soil

Related to contained substances:

2-BUTOXYETHANOL:

The product has very high potential for mobility.

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

SECTION 13. Disposal considerations

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



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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.

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Points modified compared to previous release: 1.1. Product identifier, 1.2. Relevant identified uses of the substance or mixture and uses advised against, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 4.1. Description of first aid measures, 6.3. Methods and material for containment and cleaning up, 8.1. Control parameters, 9.2. Other information, 11.1. Information on toxicological effects, 12.1. Toxicity, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture, 15.2. Chemical safety assessment

Description of the hazard statements exposed to point 3

H302 = Harmful if swallowed.

H312 = Harmful in contact with skin.

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

H332 = Harmful if inhaled.

Classification based on data of all mixture components



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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
- 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.