

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.10.2015

Version number 3

Revision: 26.10.2015

* **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1 Product identifier

· **Trade name:** Solid, pre-treated waste from soil remediation destined for recovery as secondary fuel / raw material

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

Do not use substance for purposes other than indicated in the manufacturer's information. During unintended use the user may be exposed to unforeseen hazard.

· **Application of the substance / the mixture** recovery as secondary fuel / raw material

1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

· **Further information obtainable from:** info@decnv.com

1.4 Emergency telephone number:

* **SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified as hazardous to health or environment.

The product is not classified according to the CLP regulation.

2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008** Not applicable

· **Hazard pictograms** Not applicable

· **Signal word** Not applicable

· **Hazard statements** Not applicable

· **2.3 Other hazards** Dust from the product may cause respiratory, skin and/or eye-irritation.

2.4 Results of PBT and vPvB assessment

PBT:

Does not meet the specific criteria detailed in Annex XIII of Regulation 1907/2006 and the substance is not considered as a PBT.

vPvB:

Does not meet the specific criteria detailed in Annex XIII of Regulation 1907/2006 and the substance is not considered as a vPvB.

* **SECTION 3: Composition/information on ingredients**

3.2 Chemical characterisation: Mixtures

Description:

Dark brown soil like material with similar texture, containing minerals such as sand, silt and clay, organic components such as petroleum hydrocarbons and wood chips.

· **Dangerous components:** Not present in concentrations relevant for classification.

Additional information:

The product contains petroleum hydrocarbons of which the majority consist of high molecular weight molecules (>C20) showing little or no tendency towards evaporation and dissolving. The material may contain traces of heavy metals, PCB, BTEX and/or PAH.

(Contd. on page 2)

—DN—

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.10.2015

Version number 3

Revision: 26.10.2015

Trade name: Solid, pre-treated waste from soil remediation destined for recovery as secondary fuel / raw material

(Contd. of page 1)

* **SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:** In case of doubt or when symptoms persist, always call a doctor.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and (mild) soap and rinse thoroughly.
In the case of skin irritation or allergic reactions, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes with lukewarm water or use emergency rinsing solution (Diphtherine® or equivalent), when available.
Remove contact lenses, if present.
If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
Dust from the product may cause respiratory, skin and/or eye-irritation.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

* **SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.
- **5.2 Special hazards arising from the substance or mixture**
Formation of hazardous gases may be possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Standard protective clothing for firefighters.
Respiratory Protective Equipment: ABEK-P3 full face mask or independent breathing apparatus in case of important fume generation.

* **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid formation of dust.
Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose contaminated material as waste according to item 13. Avoid formation of dust.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

* **SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**
Prevent formation of dust.
Use suitable protective equipment (see Chapter 8).
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.

(Contd. on page 3)

—DN—

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.10.2015

Version number 3

Revision: 26.10.2015

Trade name: Solid, pre-treated waste from soil remediation destined for recovery as secondary fuel / raw material

(Contd. of page 2)

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles: Store in a cool, dry, well ventilated place.

· Information about storage in one common storage facility:

Do not store together with materials with which contact should be avoided (see chapter 10).

· Further information about storage conditions: Store in dry conditions.

· 7.3 Specific end use(s) Recovery as secondary fuel / raw material

* SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace: Dust

· Additional information:

Consult local legislation on the listed control parameters for limit values requiring monitoring.

The lists valid during the making of this safety data sheet were used as basis to compile the above information.

· 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks (including sanitary breaks) and at the end of work. Avoid contact with the eyes and skin.

Do not inhale dust / smoke / mist.

Ensure good ventilation/exhaustion at the workplace. Do not eat, drink or smoke while working.

· Respiratory protection:

Use of respiratory protection is recommended if the workplace limit is exceeded.

Short term filter device: Filter P3

· Protection of hands:



Protective gloves

· Material of gloves

Neoprene gloves

PVC gloves

· Penetration time of glove material EN374 Level 3 or higher for parameters J-K-L

· Eye protection:

Safety glasses



Where excessive dust can be formed, wear tightly sealed safety goggles (EN166).

· Body protection:

Standard protective work clothing covering complete body: full length pants over boots and long sleeved shirt buttoned at the neck.

(Contd. on page 4)

—DN—

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.10.2015

Version number 3

Revision: 26.10.2015

Trade name: Solid, pre-treated waste from soil remediation destined for recovery as secondary fuel / raw material

(Contd. of page 3)

*** SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Solid with soil like texture
Colour:	Dark brown
Odour:	Earthy like smell
pH-value:	> 5 & < 11,5 (in water)
Change in condition	
Melting point/Melting range:	Not applicable.
Boiling point/Boiling range:	Not applicable.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not classified as flammable solid under UN hazard class 4 Flammable solids; Spontaneously combustible materials; and Dangerous when wet materials/Water-reactive substances
Auto-ignition temperature:	180 °C
Decomposition temperature:	Not determined.
Self-igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour pressure:	Not applicable.
Density at 20 °C:	0,4 - 1 g/cm ³
Relative density at 20 °C	0,4 - 1
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water at 20 °C:	< 3%
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	< 0,50 %
Water:	10-30 %
VOC (EC)	0,00 %
Solids content:	70-90 %
9.2 Other information	The contaminants present show little mobility as a result of the pre-treatment process.

(Contd. on page 5)

DN

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.10.2015

Version number 3

Revision: 26.10.2015

Trade name: Solid, pre-treated waste from soil remediation destined for recovery as secondary fuel /

(Contd. of page 4)

* SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable at ambient temperature and under normal conditions of use.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
This product is stable under normal use conditions for shock, vibration, temperature or pressure.
- **10.3 Possibility of hazardous reactions**
Under normal conditions of storage and use, hazardous reactions or polymerization will not occur.
- **10.4 Conditions to avoid** Avoid creating airborne dust. These may form explosive mixtures with air.
- **10.5 Incompatible materials:** Avoid contact with oxidising materials.
- **10.6 Hazardous decomposition products:**
During heating or in case of fire carbon, nitrogen and sulphur oxides may form.
Inhalation of such decomposition products may be hazardous to human health and safety.

* SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation** Prolonged or repeated contact may cause mechanical skin irritation
- **Serious eye damage/irritation** Prolonged or repeated contact may cause mechanical eye irritation
- **Respiratory tract:** Inhalation of dusts may cause respiratory irritation.
- **Ingestion:**
Although small quantities of dust are not known to be harmful, ingestion of larger quantities may cause (severe) irritation of the mouth, the oesophagus and the gastrointestinal tract.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional Toxicological information:** To date handling this product has not been known to cause any detrimental effects

* SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
This product is not classified as dangerous for the environment.

EC50 (48h) > 100 mg/l (Daphnia Magna) (OECD 202)
EC50 (72h) > 100 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil**
The product as such is not mobile in soil. The water leachable fraction is less than 3% (w/w) and consists mainly of sulphate salts and organic carbon compounds.
- **Additional ecological information:**
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:**
Does not meet the specific criteria detailed in Annex XIII of Regulation 1907/2006 and the substance is not considered as a PBT.
- **vPvB:**
Does not meet the specific criteria detailed in Annex XIII of Regulation 1907/2006 and the substance is not considered as a vPvB.
- **12.6 Other adverse effects** No further relevant information available.

(Contd. on page 6)

DN

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.10.2015

Version number 3

Revision: 26.10.2015

Trade name: Solid, pre-treated waste from soil remediation destined for recovery as secondary fuel / raw material

(Contd. of page 5)

*** SECTION 13: Disposal considerations**

· **13.1 Waste treatment methods**

· **Recommendation**

Product is destined for recovery as secondary fuel / raw material.

When recovered as secondary fuel / raw material, the product might be classified as 'hazardous waste'. The properties which render waste hazardous are laid down in Annex III of Directive 2008/98/EC and are further specified by the Decision 2000/532/EC establishing a List of Wastes as last amended by Decision 2001/573/EC.

Must not be disposed together with household garbage. Disposal must be made according to official regulations.

Contact supplier/manufacturer for information on disposal routes.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

*** SECTION 14: Transport information**

· 14.1 UN-Number	
· ADR,RID,ADN, ADN, IMDG, IATA	Not applicable
· 14.2 UN proper shipping name	
· ADR,RID,ADN, ADN, IMDG, IATA	Not applicable
· 14.3 Transport hazard class(es)	
· ADR,RID,ADN, ADN, IMDG, IATA	Not applicable
· Class	
· 14.4 Packing group	
· ADR,RID,ADN, IMDG, IATA	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	Not applicable
· UN "Model Regulation":	Not applicable

*** SECTION 15: Regulatory information**

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

· **European regulations:** No further relevant information available.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

(Contd. on page 7)

—DN—

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.10.2015

Version number 3

Revision: 26.10.2015

Trade name: Solid, pre-treated waste from soil remediation destined for recovery as secondary fuel / raw material

(Contd. of page 6)

* **SECTION 16: Other information**

This information is based on our present knowledge. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of the information for his own particular use.

· **Abbreviations and acronyms:**

EC50: Effect Concentration, 50 percent

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

· * **Data compared to the previous version altered.**

—DN—