

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 30.11.2010

Revision: 30.11.2010

1 Identification of substance

- **Product details**
- Trade name **Subcoat L**
- **Article number:** 2521
- **Application of the substance / the preparation** Roof coating
- **Manufacturer/Supplier:**
Remmers Baustofftechnik GmbH
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D-49624 Lönningen / Germany
Tel.: 05432/83-0
Fax: 05432/3985
- **Informing department:**
Product Safety department: Tel.: +49 (0)5432/83-138/-538
E-Mail: sales@remmers.co.uk
- **Emergency information:**
during working hours:
U.K.: Tel.: +44 (0) 845 373 0103
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after working hours: Tel.: +49 (0)171/6428-297

2 Hazards identification

- **Hazard designation:**



N Dangerous for the environment

- **Information pertaining to particular dangers for man and environment**
R 10 Flammable.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.
- **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients

- **Chemical characterization**

- **Dangerous components:**

CAS: 64742-88-7	white spirit 30	Xn, N; R 10-51/53-65-66-67	25-<50%
EINECS: 265-191-7			

- **Additional information**

Benzene content: < 0,1% Note P is applicable. It is not necessary to classify nor to mark the product as carcinogenic (R 45). (Recommendation 94/69/EG (21. ATP))

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4 First aid measures

· General information

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest, provide artificial respiration.

· After inhalation No special requirements.**· After skin contact**

Wash immediately with water and soap and rinse thoroughly.

Do not use solvents or thinners!

Do not pull solidified product away from the skin.

Apply rich skin creme.

If skin irritation continues, consult a doctor.

· After eye contact

Rinse opened eye for several minutes under running water.

Seek immediate medical advice.

· After swallowing

Do not induce vomiting. Do not give anything to eat or to drink.

Seek medical treatment.

· Information for doctor**· The following symptoms may occur:**

In case of prolonged/repeated exposure or in high concentrations:

Headache

Dizziness

nausea

anaesthetic effect

Dry skin, degreasing effect on the skin.

· Danger Long-term or repeated exposure may cause inflammation of the skin (dermatitis).**· Treatment**

symptomatic treatment

To avoid dermatitis (skin inflammation), use skin cream.

5 Fire fighting measures

· Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

· For safety reasons unsuitable extinguishing agents Water with a full water jet.**· Special hazards caused by the material, its products of combustion or flue gases:**

May be released in case of fire

(in case of incomplete combustion)

Carbon monoxide (CO)

Carbon dioxide (CO₂)

sulphuric oxides

Soot

further harmful conflagration gases and fumes

Vapours are heavier than air and spread out over the ground. Ignition over greater distances is possible.

· Protective equipment:

Wear full protective suit.

Wear self-contained breathing apparatus.

· Additional information Cool endangered containers with water spray jet.

6 Accidental release measures

· Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Avoid skin contact. Avoid eye contact.

Keep away from ignition sources

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Ensure adequate ventilation

· **Measures for environmental protection:**

Do not allow product to reach sewage system or water bodies.

Do not allow to enter the ground/soil.

Prevent from spreading (e.g. by confining or oil barrier).

Inform responsible authorities in case product reaches bodies of water or sewage system.

Inform responsible authorities if the product penetrates into the ground.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Send for recovery or disposal in suitable containers.

Do not flush with water or aqueous cleansing agents

Ensure adequate ventilation.

· **Additional information:**

See Section 13 for information on disposal.

Fumes can combine with air to form an explosive mixture.

7 Handling and storage

· **Handling**

· **Information for safe handling:**

Use only in well ventilated areas.

Avoid the formation of aerosols.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Fumes can combine with air to form an explosive mixture.

Avoid sparks.

· **Storage**

· **Requirements to be met by storerooms and containers:** Store in cool location.

· **Information on storage in a common storage facility:**

Do not store together with fire promoting and self-igniting materials as well as easily flammable solids.

· **Further information about storage conditions:**

Store cool and dry in tightly closed containers.

Store container in a well ventilated position.

Protect from heat and direct sunlight.

Do not smoke in storage areas. Storage temperature: room temperature.

8 Exposure controls and personal protection

· **Additional information about design of technical systems:** Use only in well-ventilated areas.

· **Components with limit values that require monitoring at the workplace:**

8052-42-4 Asphalt

WEL	Short-term value: 10 mg/m ³
	Long-term value: 5 mg/m ³

· **Additional information:** The lists that were valid during compilation were used as a basis.

· **Personal protective equipment**

· **General protective and hygienic measures**

Immediately remove soiled, saturated clothing.

Do not eat, drink or smoke while working.

Keep away from food, beverages and animal feed.

Apply solvent-resistant skin protection preparation before beginning work.

Wash hands before pauses and after work.

Avoid contact with eyes and skin.

Do not inhale gases / vapours / aerosols.

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- **Respiratory equipment:**
Not necessary if room is well-ventilated.
If the solvent concentration is above TLV-values, respiratory equipment admitted for this purpose must be worn.
- **Protection of hands:** Solvent resistant gloves
- **Material of gloves:** Nitrile rubber, NBR
- **Penetration time of glove material**
Break through time: max. 240 min (DIN EN 374).
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:** Closed work clothing

9 Physical and chemical properties:

· General Information

Form:	Fluid
Colour:	Black
Odour:	Aromatic

· Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	162 - 192°C

Flash point:	> 40°C
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Ignition temperature:	265°C
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Self-inflammability:	Product is not self-igniting.
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Danger of explosion:	Product is not explosive. However, formation of dangerous explosive vapour/air mixtures is possible.
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· Explosive Limits:

Lower:	0.7 Vol % white spirit
Upper:	6.5 Vol % white spirit

Vapour pressure at 20°C:	3.7 hPa
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Density at 20°C	ca. 0.90 g/cm ³
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Solubility in / Miscibility with Water:	Insoluble
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Distribution coefficient (n-octanol/water):	3.7 - 6.7 log POW white spirit
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Viscosity: kinematic at 20°C:	20 - 30 s (DIN 53211/4)
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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
No decomposition if handled and stored according to specifications.
Avoid: heat, flames, sparks
- **Materials to be avoided:**
Strong oxidising agents

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Acids

- **Dangerous reactions**

Reacts with strong oxidising agents

Reacts with acids

- **Dangerous decomposition products:**

None if used properly.

None if stored properly.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

64742-88-7 white spirit 30

Oral	LD50	> 2000 mg/kg (Ratte)
Dermal	LD50	> 2000 mg/kg (Kaninchen)
Inhalative	LC50/4 h	> 5 mg/l (Ratte)

8052-42-4 Asphalt

Oral	LD50	> 5000 mg/kg (Ratte)
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- **Primary irritant effect:**

- **on the skin:**

No irritating effect.

Dries skin out.

- **on the eye:** No irritating effect.

- **Sensitisation:** No sensitising effect known.

- **Experience with humans:**

Frequent or longer lasting skin contact may degrease and dry out skin which may lead to skin irritation and inflammation (dermatitis).

High concentrations may cause tiredness and dizziness.

12 Ecological information:

- **General notes:**

Water hazard class 2 : hazardous to water.

Do not allow product to reach ground water, bodies of water or sewage system.

13 Notes on disposal:

- **Product:**

- **Recommendation**

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

- **European waste catalogue**

08 01 11 | waste paint and varnish containing organic solvents or other dangerous substances

- **Uncleaned packaging:**

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

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14 Transport information

· Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)



- ADR/RID-GGVS/E Class: 3 (F1) Flammable liquids.
- Kemler Number: 30
- UN-Number: 1139
- Packaging group: III
- Danger sign: 3
- Special marking: Symbol (fish and tree)
- Designation of goods: 1139 COATING SOLUTION
- Limited quantities (LQ) LQ7
- Tunnel restriction code E

· Maritime transport IMDG/GGVSea:



- IMDG/GGVSea Class: 3
- UN Number: 1139
- Label 3
- Packaging group: III
- EMS Number: F-E,S-E
- Marine pollutant: mp
Symbol (fish and tree)
- Correct technical name: COATING SOLUTION

· Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 1139
- Label 3
- Packaging group: III
- Correct technical name: COATING SOLUTION

15 Regulatory information

· Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Guidelines / Ordinance on Hazardous Materials (GefStoffV)

Benzene content: < 0,1%. Note P is applicable. It is not necessary to classify nor to mark the product as carcinogenic (R 45). (Recommendation 94/69/EG (21. ATP))

· Code letter and hazard designation of product:



N Dangerous for the environment

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· Risk phrases:

- 10 Flammable.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

· Safety phrases:

- 2 Keep out of the reach of children.
- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe fumes.
- 24 Avoid contact with skin.
- 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- 51 Use only in well-ventilated areas.
- 61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

· Product Code: BBP 30**· National regulations****· Water hazard class:**

German Water hazard class 2: hazardous to water.
according to appendix 4 VwVwS

16 Other information:

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.
Delivery specifications are found in the respective Technical Information Sheets.

· Relevant R-phrases

- 10 Flammable.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

· Department issuing data specification sheet: Product Safety department

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