

Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 15.03.2010

Version: 1.0

Product: **MASTERSEAL 355**

(30362779/SDS_GEN_EU/EN)

Date of print 16.03.2010

1. Identification of the substance/mixture and of the company/undertaking

MASTERSEAL 355

Use: Product for construction chemicals

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Construction Chemicals

Telephone: +49 621 60-74354

Telefax number: +49 621 60-6674354

E-mail address: info.construction-chemicals@basf.com

Emergency information:

International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

Possible Hazards (according to Directive 67/548/EWG or 1999/45/EC)

Flammable.

Harmful by inhalation, in contact with skin and if swallowed.

Irritating to eyes and skin.

May cause sensitization by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful: may cause lung damage if swallowed.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

3. Composition/Information on Ingredients

Chemical nature

Blend based on: organic solvents

Hazardous ingredients

according to Directive 1999/45/EC

Naphtha (petroleum), hydrodesulfurized heavy (< 0,1% Benzene)

Content (W/W): >= 50 % - <= 95 %

CAS Number: 64742-82-1

EC-Number: 265-185-4

INDEX-Number: 649-330-00-2

Hazard symbol(s): Xn, N

R-phrases: 65, 51/53

turpentine oil

Content (W/W): >= 50 % - <= 95 %

CAS Number: 8006-64-2

EC-Number: 232-350-7

INDEX-Number: 650-002-00-6

Hazard symbol(s): Xn, N

R-phrases: 10, 20/21/22, 36/38, 43, 51/53, 65

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

On skin contact:

Wash thoroughly with soap and water. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth and then drink plenty of water. Do not induce vomiting due to aspiration hazard. Do not induce vomiting unless told to by a poison control center or doctor.

5. Fire-Fighting Measures

Suitable extinguishing media:
dry extinguishing media, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:
water jet

Specific hazards:
carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Special protective equipment:
Wear a self-contained breathing apparatus.

Further information:
The degree of risk is governed by the burning substance and the fire conditions. Containers may rocket or explode in heat of fire. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:
Use personal protective clothing. Avoid prolonged inhalation. Avoid contact with the skin, eyes and clothing. Avoid all sources of ignition: heat, sparks, open flame.

Environmental precautions:
Prevent spread over a wide area (e.g. by containment or oil barriers). Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:
For large amounts: Pump off product.
For residues: Pick up with inert absorbent material (e.g. sand, earth etc.). Correctly dispose of recovered product immediately.

7. Handling and Storage

Handling

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Provide good room ventilation even at ground level (vapours are heavier than air).

Protection against fire and explosion:
Sources of ignition should be kept well clear. Take precautionary measures against static discharges. Substance/product can form explosive mixture with air. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

Storage

Suitable materials for containers: High density polyethylene (HDPE)
Further information on storage conditions: Keep container tightly closed and in a well-ventilated place. Keep away from heat. Avoid all sources of ignition: heat, sparks, open flame.

Protect from temperatures below: 5 °C
Protect from temperatures above: 35 °C

8. Exposure Controls/Personal Protection

Components with workplace control parameters

64742-82-1: Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha

8006-64-2: turpentine oil

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point <65 °C, f.e. EN 14387 Type AX)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other
Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen based on level of activity and exposure., Antistatic apron

General safety and hygiene measures:

Avoid inhalation of dusts/mists/vapours. Avoid contact with the skin, eyes and clothing. Avoid prolonged and/or repeated contact with the skin. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Form: liquid
Colour: colourless to yellowish
Odour: characteristic

pH value: not applicable

boiling temperature: > 149 °C

Flash point: approx. 35 °C
Flammability: Flammable.
Lower explosion limit: approx. 1 %(V)
Upper explosion limit: approx. 7.5 %(V)
Explosion hazard: not explosive

Density: approx. 0.8 g/cm³
(25 °C)

Solubility in water: not soluble
(20 °C)

10. Stability and Reactivity

Conditions to avoid:
Avoid heat. Avoid open flames. Avoid sources of ignition.

Thermal decomposition: Vapours may form explosive mixture with air. No decomposition if stored and handled as prescribed/indicated.

Hazardous reactions:
No hazardous reactions if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Information on: turpentine oil

Assessment of acute toxicity:

Of moderate toxicity after short-term inhalation. Of moderate toxicity after short-term skin contact. Of moderate toxicity after single ingestion.

Irritation

Information on: turpentine oil

Assessment of irritating effects:

Eye contact causes irritation. Skin contact causes irritation.

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Respiratory/Skin sensitization

Information on: turpentine oil
Assessment of sensitization:
Sensitization after skin contact possible.

12. Ecological Information

Ecotoxicity

Information on: turpentine oil
Assessment of aquatic toxicity:
Acutely toxic for aquatic organisms. Toxic effects occur within the range of solubility. The product has not been tested. The statement has been derived from products of a similar structure and composition.

Persistence and degradability

Information on: turpentine oil
Assessment biodegradation and elimination (H₂O):
Moderately/partially biodegradable. The product has not been tested. The statement has been derived from products of a similar structure and composition.

13. Disposal Considerations

Observe national and local legal requirements.
The waste code in accordance with the European waste catalog (EWC) must be specified in cooperation with disposal agency/manufacturer/authorities.
Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Land transport

ADR

Hazard class:	3
Packing group:	III
ID number:	UN 1993
Hazard label:	3
Proper shipping name:	FLAMMABLE LIQUID, N.O.S. (contains HYDROCARBONS)

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RID

Hazard class: 3
Packing group: III
ID number: UN 1993
Hazard label: 3
Proper shipping name: FLAMMABLE LIQUID, N.O.S. (contains HYDROCARBONS)

Inland waterway transport**ADNR**

Hazard class: 3
Packing group: III
ID number: UN 1993
Hazard label: 3
Proper shipping name: FLAMMABLE LIQUID, N.O.S. (contains HYDROCARBONS)

Sea transport**IMDG**

Hazard class: 3
Packing group: III
ID number: UN 1993
Hazard label: 3
Marine pollutant: NO
Proper shipping name: FLAMMABLE LIQUID, N.O.S. (contains HYDROCARBONS)

Air transport**IATA/ICAO**

Hazard class: 3
Packing group: III
ID number: UN 1993
Hazard label: 3
Proper shipping name: FLAMMABLE LIQUID, N.O.S. (contains HYDROCARBONS)

15. Regulatory Information**Regulations of the European union (Labelling) / National legislation/Regulations**Directive 1999/45/EC ('Preparation Directive'):

Hazard symbol(s)
Xn Harmful.
N Dangerous for the environment.

R-phrases(s)

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R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R43	May cause sensitization by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R37	Irritating to respiratory system.
S-phrase(s)	
S2	Keep out of the reach of children.
S36/37	Wear suitable protective clothing and gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.
S53	Avoid exposure - obtain special instructions before use.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

Hazard determining component(s) for labelling: TURPENTINE

Other regulations**16. Other Information**

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

Xn	Harmful.
N	Dangerous for the environment.
65	Harmful: may cause lung damage if swallowed.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
10	Flammable.
20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
36/38	Irritating to eyes and skin.
43	May cause sensitization by skin contact.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.