

EG-Safety-Data-Sheet
according 1907/2006/EWG, article 31

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Product Name: PERMA FILM
Product Number: 400601
Supplier: HODT Korrosionsschutz GmbH Revision: 17.May 2013

1. Identification of the Substance/Preparation & Supplier

1.1 Product Name: PERMA FILM
Product Type: Anticorrosive paint

1.2 Supplier:

HODT Korrosionsschutz GmbH
Flurstraße 8 – 21465 Wentorf bei Hamburg
Tel.: 0049 – 40 729 040 30 E-mail: info@hodt.de www.hodt.de
Fax: 0049 – 40 729 040 59 Emergency phone: 0048 601 577 993

2. Composition/Information on Ingredients

Chemical	CAS RN
One or More Calcium Sulfonates	
Aromatic Hydrocarbon Resin	68131-89-5
Aluminium Pigment	7429-90-5
Calcium Carbonate	471-34-1
White Spirit	64742-88-7

3. Hazards Information.

Hazardous Ingredients:

White Spirit (hydrotreated light petroleum distillate) CAS RN: 64742-88-7

Summary of Risks:

White Spirit: Millions of industrial workers in chemical process and allied industries have been exposed to mineral spirits with minimal serious health effects, aside from the drying, defatting (stripping away of your skin's protective fats and emollients), and irritant skin effects.

However, overexposure can depress the central nervous system (CNS) with these symptoms: headache, dizziness, drowsiness, intoxication with euphoria, and possibly unconsciousness.

Prolonged or repeated skin contact can cause dermatitis due to this mineral spirits' defatting effect or by sensitisation.

EU Risk phases

Symbols: Xn Harmful
R phrases: R10 Flammable
 R22/37 Harmful if swallowed
 R38 Irritating to skin

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4. First aid measures:

Immediate treatment:

Eye contact:

May cause eye irritation. Flush with large amounts of water for at least 15 minutes. Call a physician.

Skin contact:

Wash skin thoroughly with soap and water after handling. Prolonged or repeated contact may cause dermatitis (skin irritation).

If hot material contacts skin, immediately cool before attempting removal. Cool with water or ice. Apply topical dressing. Severe blistered burns should be treated by physician.

Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen and call a physician.

Ingestion:

Contact a physician.

NOTE TO PHYSICIANS

Routes of entry: Eyes, skin, ingestion, inhalation of mist.

Target organs: Eyes, skin, respiratory system, central nervous system

White Spirit: Aspiration of even a few millilitres of white spirits can be fatal!

The resulting diffused chemical irritation of the lungs can progress to fatal pulmonary edema after aspirating liquid mineral spirits. To prevent their aspiration of freshly vomited solvent, carefully monitor persons who swallow mineral spirits. Consider intubation in treating any significant ingestion.

5. Fire fighting measures.

Special hazards or procedures:

This product contains White Spirit (Flash point (ASTM D-92): 105°F (41°C)).

It is not exceedingly volatile, but will easily burn. Vapours may travel to an ignition source and flash back. Oxides of carbon (CO and CO₂) and sulphur (SO₂) will be given off while burning. This product will float upon water, so water spray is not a suitable extinguishing agent as it may cause fire to spread. See Extinguishing Media.

Protective equipment:

As in any fire, fire-fighters must be equipped to prevent breathing of vapours or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

Extinguishing media:

Dry chemical, water fog, CO₂ foam, or sand/earth.

Closed containers may be cooled with water.

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6. Accidental release measures.

Procedures for spill clean-up:

Shut off leak and dike up large spills. Eliminate heat and ignition sources, provide optimum explosion-proof ventilation. Absorb with an inert material such as sand, soil or vermiculite. Sweep up absorbent and dispose according to regulatory requirements.

7. Handling and storage.

Handling:

Keep drums tightly closed to prevent contamination. Avoid skin and eye contact. Wear recommended personal protection equipment. Discard or wash contaminated clothing before reuse. ATTENTION: Never use pressure to empty drums.

Storage:

Maximum storage temperature: below flash point of 105°F (41°C).

8. Exposure control/personal protection.

Ventilation required:

Use additional ventilation if needed to control vapour concentrations particularly if a mist is generated or fumes from hot material are present. Maintain solvent below exposure limits in Section 11. Respiratory protection is required when levels exceed limits.

Respiratory protection:

None required if area adequately ventilated. Use appropriate respiratory protection if used in confined areas or when levels exceed limits. If used in an application where a mist may be generated, observe a TWA/PEL of 5 mg/m³ (OSHA, ACGIH) for a mineral oil mist. Use a respirator with dual organic vapour/mist and particulates cartridge if vapour concentration exceeds permissible exposure limit.

Skin protection:

Rubber or plastic solvent resistant gloves and aprons.

Eye protection:

Wear chemical safety goggles and/or a face shield. Contact lenses should not be worn.

9. Physical and chemical properties. Typical Values

Physical state at 25°C: Viscous liquid
Colour: Tan, aluminium, light green
Odor: Slight, kerosene like
Changes in physical state at 1 bar: No data available/none expected
Density at 16°C (gm/cm³): 0,99 – 1,00
Vapour pressure at 20°C (mm Hg): > 2, based upon solvent
Vapour density (air= 1): > 4, based upon solvent

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Viscosity at 20° C (SUS):..... 150 – 200
Solubility in H₂O at 25°C negligible
pH (1%) No data available
Flash point (ASTM D-92): 105°F (41°C)
Autoignition temperature:..... No data available
Flammability limits in air: Lower: 0.7 Upper:6,
based upon solvent
Volatile (by weight %) < 30 %

10. Stability and reactivity

This product is stable and not subject to hazardous polymerisation.

Hazardous decomposition products:

Oxides of carbon (carbon monoxide carbon dioxide), oxides of hydrogen (water), oxides of sulphur (sulphur dioxide), and oxides of calcium are all formed from burning.

Incompatible materials:

Strong oxidisers such as hydrogen peroxide, oxidising chlorine and bromine compounds (e.g. chlorine bleach), and chromic acid.

Conditions to avoid:

Oxidising agents; skin and eye contact.

11. Toxicological information.

Acute toxicity:

May cause eye and skin irritation. The handling procedures and safety precautions in this MSDS should be followed to minimise employee exposure.

Mineral oil mist: TWA/PEL of 5 mg/m³ (OSHA, ACGIH)

White spirit:

Irritation, redness of skin and eyes; narcotic effects like dizziness, slurred speech, or drunkenness. Ingestion may cause nausea, vomiting, diarrhoea, and abdominal pain. After ingestion, the primary concern is aspiration into the lungs. Signs of aspiration pneumonitis include: fever, shortness of breath, increased rate of respiration, and rales (an abnormal rattling sound in the throat). Inhaling this material may cause arrhythmia.

Chronic toxicity for mineral spirits:

None reported in humans:

Carcinogenicity: Neither the NTP, IARC, nor OSHA lists mineral spirits as a carcinogen.

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12 Ecological informations.

Water endangering class 3. The liquid product endanger water sources.

13 Disposal considerations.

Water harmfulness class 2 : harmful substance acc. to § 19 g chapter 5 WHG
A hazardous waste (ignitable) if disposed of as is.
Dispose of properly complying with appropriate laws and regulations of the local authorities

14 Transportation information.

14.1 Road transport ADR/RID and GGVE:

ADR/RID, GGVS/E Class: 3 Combustible Liquid
Cipher/Letter..... 31 c
UN-Number 1268
Proper shipping name Combustible Liquid,
n.o.s. (White Spirit, mixture), 3, III

14.2 Sea transport:

IMDG/GGV Sea-Class 3.3
Page 3345
UN-Number 1268
Packing-Group..... III
EMS-Number 3-07
MFAG 310
Proper Shipping name Petroleum distillates, n.o.s.
(White spirit mixture), 3, III
Remarks flammable liquid, n.o.s., marine pollutant

14.3 Air transport: ICAO and IATA-DRG

ICAO/IATA-Class..... 3.2
UN/IATA-Class..... 1268
Packing-group..... III
Proper Shipping name Petroleum distillates, n.o.s.
(White spirit mixture), 3, III
Remarks flammable liquid, n.o.s.

TRANSPORTATION OF DANGEROUS GOODS CLASSIFICATION
CLASS: 3.3, UN 1268, PG III

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15. Regulatory information

EU labelling:

Symbols: Xn Harmful
R phrases R10 Flammable
R22 Harmful if swallowed
R38 Irritating to skin
R52/53 Harmful to aquatic organisms,
may cause long-term adverse effects
in aquatic environment

Sphrases 2 Keep out of reach of children
36/37/39 Wear suitable clothing protective/
wear suitable gloves/
wear eye/face protection
24/25 avoid contact with skin/
avoid contact with eyes
26 in case contact of with eyes rinse with plenty of
water and seek medical advice
28 after contact with skin, wash immediately
with plenty of soap and water