



Material Safety Data Sheet

According to 91/155 EC

Printing date 26.11.2001

Reviewed on 21.06.2000

1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name:** Silicone Alkyd

· **Article number:** 7040

· **Manufacturer/Supplier:**

HMG PAINTS LTD. RIVERSIDE WORKS, COLLYHURST RD,
COLLYHURST, MANCHESTER, M40 7RU.
TEL 0161 205 7631

· **Further information obtainable from:** LABORATORY

2 Composition/information on ingredients

· **Chemical characterization**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

	HF White Spirit	☒ Xn; R 10-65	25-50%
	White Spirit	☒ Xn, ☒ N; R 22-51/53-65	2.5-10%
64742-95-6	Solvent naphtha (petroleum), light arom.	☒ Xn; R 10-65	2.5-10%

3 Hazards identification

· **Hazard description:**



Xn Harmful

· **Information concerning particular hazards for human and environment:**

R 10 Flammable.

R 65 Harmful: may cause lung damage if swallowed.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First-aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

· **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

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· **Protective equipment:** Put on breathing apparatus

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
 - Prevent seepage into sewage system, workpits and cellars.
 - Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose contaminated material as waste according to item 13.
 - Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
 - Ensure good ventilation/extraction at the workplace.
 - Open and handle receptacle with care.
 - Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
 - Keep respiratory protective device available.
- **Storage:**
 - **Requirements to be met by storerooms and receptacles:** No special requirements.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** Keep receptacle tightly sealed.
 - **Class according to regulation on flammable liquids:** A II

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Wash hands before breaks and at the end of work.
 - Store protective clothing separately.
- **Respiratory protection:**
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:** Not required.

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· **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

· Form:	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	153°C
· Flash point:	25°C
· Ignition temperature:	265.0°C
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	0.6 Vol %
Upper:	6.5 Vol %
· Vapour pressure at 20°C:	6.6 hPa
· Density at 20°C:	0.975 g/cm ³
· Solubility in / Miscibility with water:	NOT MISCIBLE
· Solvent content:	
Organic solvents:	40.9 %
· Solids content:	54.2 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values relevant for classification:****HF White Spirit**

Oral	LD50	>6500 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)
Inhalative	LC50/4 h	>14 mg/l (rat)

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- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

12 Ecological information

- **General notes:**

Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

13 Disposal considerations

- **Product:**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packaging:**

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

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Item:** 31c
- **Danger code (Kemler):** 30
- **UN-Number:** 1263
- **Hazard label** 3
- **Description of goods:** 1263 Paint

- **Maritime transport IMDG:**



- **IMDG Class:** 3.3
- **Page:** 3372
- **UN Number:** 1263
- **Packaging group:** III
- **EMS Number:** 3-05
- **MFAG:** 310,313
- **Marine pollutant:** Yes

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· **Proper shipping name:** Paint· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 1263
 · **Packaging group:** III
 · **Proper shipping name:** Paint

15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**

Xn Harmful

· **Hazard-determining components of labelling:**

HF White Spirit

· **Risk phrases:**

10 Flammable.

65 Harmful: may cause lung damage if swallowed.

· **Safety phrases:**

43 In case of fire, use water or powdered extinguishing agent.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

53 Avoid exposure - obtain special instructions before use.

60 This material and its container must be disposed of as hazardous waste.

· **National regulations:**· **Classification according to VbF:** A II· **Technical instructions (air):**

Class	Share in %
II	4.6
III	36.3
NK	0.1

· **Waterhazard class:** Water danger class 3 (Self-assessment): extremely hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:** Product safety department: LABORATORY· **Contact:** Health & Safety Officer