

FEATHER SAND (Code 7400.10085 4.5kg)**1. Identification of the substance / mixture and of the company / undertaking**

- **Product identifier**
- **Trade name: FEATHER SAND**
- **Relevant identified uses of the substance or mixture and uses advised against:**
Use: The polyester putty. For professional use in car refinishing.
- **Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**
Abcon Industrial Products Ltd
CavMac Hose Building, Cavan Road, Cootehill, Co Cavan
Phone: +353 49 5552340 Fax: +353 49 5552312 sales@abconireland.com
- **Further information obtainable from:**
sales@abconireland.com
- **Emergency telephone number:**
Phone: +353 49 5552340

2. Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC**



Xn Harmful
R 20 Harmful by inhalation



Xi Irritant
R 36/38 Irritating to eyes and skin.

R 10 Flammable

- **Information concerning particular hazards for human and environmental:**
The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Label elements**
- **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

- **Risk phrases:**
R 10 Flammable.
R 20 Harmful by inhalation.
R 36/38 Irritating to eyes and skin.
- **Safety phrases:**
S 23 Do not breathe vapour/ spray.
S 24/25 Avoid contact with skin and eyes.
S 36/37 Wear suitable protective clothing and gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 51 Use only in well ventilated areas.
- **Hazard-determining components of labelling:**
styrene

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- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3. Composition / information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**

Mixture of substance listed below with nonhazardous additions.

Dangerous components:		
	polyester resin in styrene Xn , Xi; R 10-20-36/38 Flam. Liq. 3, H226; STOT RE 1, H372; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	10-40 %
CAS: 100-42-5 EINECS: 202-851-5 REG NO: 01-2119457861-32	styrene Xn , Xi; R 10-20-36/37/38- 48/20-65 Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	1-2,5 %
CAS: 64742-94-5 EINECS: 265-198-5	solvent naphtha (petroleum), heavy arom. Xn, N; R 51/53-65 Asp. Tox. 1, H304; Aquatic Chronic 2, H411	0,1-1 %
CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate R 10 Flam. Liq. 3, H226	0,1-1 %

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4. First aid measures

- **Description of first aid measures**
- **General information:**

Personal protection for the First Aider. Take affected persons out of danger area and lay down. In case of irregular breathing or respiratory arrest provide artificial respiration. Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air or oxygen, call for doctor. In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

- **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

Do not induce vomiting: call for medical immediately.

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5. Firefighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger with water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet.

- **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

- **Advice for firefighters**

- **Protective equipment:** Wear self-contained respiratory protective devices. Do not inhale explosion gases or combustion gases.

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- **Additional information:**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulation.

6. Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

- **Person-related safety precautions:**

Wear protective equipment. Keep unprotected person away. Ensure adequate ventilation. Keep away from ignition sources. Use respiratory protective device against the effects of fumes/dust/aerosol. Avoid contact with the eyes and skin. Do not inhale gases / fumes / aerosols.

- **Environmental precautions**

Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

- **Methods and material for containment and cleaning up**

Do not flush with water or aqueous cleansing agents. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

- **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.

7. Handling and storage

- **Precautions for safe handling**

Keep receptacles tightly sealed. Ensure good ventilation/ exhaustion at the workplace. Do not inhale gases/ fumes/ aerosols. Avoid contact with the eyes and skin. Use respiratory protective device against the effects of fumes/dust/aerosol. Adhere to the workplace limit values and / or other threshold values.

- **Information about fire- and explosion protector:**

Fumes can combine with air to form an explosive mixture. Protect against electrostatic charges. Use explosion-proof apparatus / fittings and spark-proof tools.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store only in original receptacle.

- **Information about storage in use common storage facility:**

Store away from foodstuffs. Store away from oxidizing agents.

- **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight. Store receptacle in a well ventilated areas. Protect from humidity and water. Keep ignition sources away - Do not smoke.

- **Specific end use(s)**

No information about the applications other than those mentioned in section 1.

8. Exposure controls / personal protection

- **Additional information about design of technical facilities.** No further data: see item 7

- **Control parameters**

Ingredients with limit values that require monitoring at the workplace:	
100-42-5 styrene	
WEL (Great Britain)	Short-term value: 1080 mg/m ³ , 250 ppm Long-term value: 430 mg/m ³ , 100 ppm
CAS: 7631-86-9; 112945-52-5 silica	
WEL (Great Britain)	Inhalable dust: 6 mg/m ³ Respirable dust: 2,4 mg/m ³
13463-67-7 titanium dioxide	
WEL (Great Britain)	Total inhalable: 10 mg/m ³ Respirable: 4 mg/m ³

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14807-96-6 talc	
WEL (Great Britain)	Respirable dust: 1 mg/m ³
65997-17-3 silica, fused (60676-86-0)	
WEL (Great Britain)	Respirable dust: 0,08 mg/m ³
21645-51-2 aluminium hydroxide as aluminium metal	
WEL (Great Britain)	Inhalable dust: 10 mg/m ³ Respirable dust: 4 mg/m ³
1314-23-4 zirconium dioxide – zirconium compounds (as Zr)	
WEL (Great Britain)	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³
141-78-6 ethyl acetate	
WEL (Great Britain)	Short-term value: 200 ppm Long-term value: 400 ppm

- **Additional information:** The lists valid during the making were used as basis.

styrene:

DNEL - workers, acute - inhalation, systemic effects - 289 mg/m³
 DNEL - workers, acute - inhalation, local effects - 306 mg/m³
 DNEL - workers, long-term - dermal, systemic effects - 406 mg/kg bw/day
 DNEL - workers, long-term - inhalation, systemic effects - 85 mg/m³
 PNEC - freshwater environment - 0,028 mg/l
 PNEC - marine environment - 0,0028 mg/l
 PNEC - intermittent releases - 0,04 mg/l
 PNEC - sewage treatment plants - 5 mg/l
 PNEC - freshwater sediment environment - 0,614 mg/kg
 PNEC - marine sediment environment - 0,0614 mg/l
 PNEC - soil - 0,2 mg/kg

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Do not eat, drink, smoke or sniff while working. Do not inhale gases/ fumes/ aerosols. Avoid contact with the eyes and skin. Wash hands before breaks and at the end of work. Wash hands before breaks and at the end of work. Store protective clothing separately.

- **Respiratory protection:**

Use self-contained respiratory protective device. Filter A/P2.

- **Protection of hands:**

Check the permeability prior to each renewed use of the gloves. The glove material has to be impermeable and resistant to the product / the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Preventive skin protection by use of skin-protecting agents is recommended. Wear suitable gloves tested to EN 374.

- **Material of gloves:**

Fluorocarbon rubber (Viton)

Thickness: ≥ 0,7 mm

The selection of the suitable gloves does not only depend on the material but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

Value for the permeation: Level 6 (≥ 460 min). 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 goggles.
- **Body protection:** Protective work clothing.

9. Physical and chemical properties

- **Information on basic physical and chemical properties**
- **Appearance**
Form: Pasty
Color: Yellow

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- **Odour** Characteristic
- **Odour threshold** Undetermined
- **pH** Undetermined
- **Melting point/ freezing point** Undetermined
- **Initial boiling point and boiling range** 145 °C (for styrene)
- **Flash point** 31 °C
- **Evaporation rate** Undetermined
- **Flammability** The mixture is flammable
- **Upper/lower flammability or explosive limits**
Lower: 1,1 VOL %
Upper: 6,1 VOL %
- **Vapour pressure** ~ 7 hPa at 20 °C
- **Vapour density** Undetermined
- **Relative density** ~ 1,46 at 20 °C
- **Solubility(ies)** Not miscible or difficult to mix in water.
- **Partition coefficient: n-octanol/water** Undetermined
- **Auto-ignition temperature** 480 °C
- **Decomposition temperature** Undetermined
- **Viscosity** Undetermined
- **Explosive properties** Product is not explosive. However, formation of explosive air/ vapour mixtures is possible
- **Oxidising properties** Product is not oxidising.
- **Other information**

Not available

10. Stability and reactivity

- **Reactivity**
No reactivity if used according to specifications.
- **Chemical stability**
Stable under normal conditions of use and storage.
- **Possibility of hazardous reactions**
Reacts with peroxides and other radical forming substances. Exothermic polymerization.
- **Conditions to avoid**
High temperature, ignition sources, open flame.
- **Incompatible materials**
Oxidizing agents, alcohols, amines, aqueous acids and alkalis.
- **Hazardous decomposition products**
Formation of toxic gases is possible during heating or in case of fire.

11. Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

LD/ LC50 values relevant for classification:

100-42-5 styrene

Oral	LD50	5000 mg/ kg (rat)
Inhalative	LC50/ 4h	11,8 mg/ l (rat)
Dermal	LD50	> 2000 mg/kg (rat)

- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** Irritating effect.
- **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:

Harmful
Irritant

12. Ecological information

- **Toxicity**

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Acquatic toxicity:
100-42-5 styrene

EC50 (48h)	4,7 mg/l (daphnia magna)
EC50 (72h)	>4.9 mg/l (Pseudokirchneriella subcapitata)
LC50 (96h)	4.02 mg/l (pimephales promelas)

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

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

- **Persistence and degradability**

styrene - readily biodegradable

- **Bioaccumulative potential**

Octanol-water partition coefficient (Kow)

styrene: 3,16

Bioconcentration factor (BCF)

styrene: BCF =13,5

- **Mobility in soil** No further relevant information available.

- **Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

- **Other adverse effects**

No further relevant information available.

13. Disposal considerations

- **Waste treatment methods**

- **Recommendation**

Must not to disposal together with household garbage. Do not allow product to reach sewage system. Disposal was be made according to official regulations.

- **Waste disposal key:**

The waste codes given above are to be considered recommendations; because of regional and industrial sector specific features, application of different waste codes is possible.

European waste catalogue

08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances
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- **Uncleaned packaging**

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

14. Transport information

- **UN-Number:** 1866

- **UN proper shipping name:** 1866 RESIN SOLUTION

- **Transport hazard class(es):** 3

- **Packaging group:** III

- **Hazard label:** 3

- **Environmental hazards:**

The product does not pose a risk to the environment in accordance with the criteria in the UN Model Regulations.

- **Special precautions for user:**

Warning: Flammable liquids. Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.

- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

15. Regulatory information

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

- **National regulations:**

- **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed

Employment restrictions concerning pregnant and lactating women must be observed.

- **Chemical safety assessment:**

A Chemical Safety Assessment has been carried out for styrene.

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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.

• **Relevant R-phrases:**

R 10 Flammable.

R 20 Harmful by inhalation.

R 36/38 Irritating to eyes and skin.

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

H 226 Flammable liquid and vapour.

H 304 May be fatal if swallowed and enters airways

H 315 Causes skin irritation.

H 319 Causes serious eye irritation.

H 332 Harmful if inhaled.

H 335 May cause respiratory irritation.

H 372 Causes damage to organs through prolonged or repeated exposure. Route of exposure: Inhalative.

H 411 Toxic to aquatic life with long lasting effects.