

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Weathering Powder Medium Rust 09
Product Number : VMS.09

Brand : VMS
EINECS-No. : 215-168-1, 257-098-5, 215-277-5
REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
CAS-No. : 1309-37-1, 51274-00-1, 1317-61-9

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Colouring agent

1.3 Details of the supplier of the safety data sheet

Company : Krzysztof Obarski Hobby Pro
Spychalskiego 15/27
61-643 Poznan Poland
Telephone : +48 601981733
E-mail address : contact@vms-supplies.com

1.4 Emergency telephone number

Emergency Phone : 999 (Pogotowie ratunkowe)
: 998 (Straz pozarna)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)	This product does not require classification and labelling as hazardous according to CLP/GHS
Classification according to Directive No. 67/548/EC or No. 1999/45/EC	The material is not subject to classification according to EC lists.
Safety Phrases:	N/A
Possible Environmental Effects:	N/A

2.2 Label elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)	This product does not require classification and labelling as hazardous according to CLP/GHS
Hazard designation:	N/A
Signal word:	N/A

Hazard designation:	N/A
Safety designation:	N/A
Hazardous components for labelling:	N/A
Other hazards:	N/A

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical formula	: Fe ₂ O ₃ , FeO(OH), Fe ₃ O ₄
Component information	: Mixture, Diiron trioxide 33%, Iron hydroxide oxide 33%, Triiron tetraoxide 33%
CAS-No.	: 1309-37-1, 51274-00-1, 1317-61-9
EINECS-No.	: 215-168-1, 257-098-5, 215-277-5

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

No special measures required.

If inhaled

Supply fresh air. If required give artificial respiration. In case of complaints or unconsciousness consult a physician. In case of unconsciousness place patient stable in side position for transportation. In case of unconsciousness place patient stable in side position for transportation. Keep the airways open. Unfasten tight garments (collar, tie, belt).

In case of skin contact

No special measures required.

In case of eye contact

Remove contact lens. Rinse open eyes with plenty of water (10-15min). Should irritation continue, seek medical advice.

If swallowed

No special measures required

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No further information available.
Effects: No further information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: No further information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide (CO₂), extinguishing powder, water spray

5.2 Special hazards arising from the substance or mixture

No special hazards.

5.3 Advice for firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

5.4 Further information

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment. Keep spectators away.
Ensure adequate ventilation.
Floor may be slippery; use care to avoid falling

6.2 Environmental precautions

Prevent contamination of soil, drains and surface waters.
Contact local authorities if product pollutes soil or vegetation.

6.3 Methods and materials for containment and cleaning up

Clean up mechanically. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

6.4 Reference to other sections

In case of emergency, see Section 1.
Protective clothing, see Section 8.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special measures necessary if properly handled

7.2 Conditions for safe storage, including any incompatibilities

Store dry and in the original tightly sealed containers.

7.3 Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Parameters to be controlled (DE): none known

Parameters to be controlled: Derived No-Effect Level (DNEL): Triiron tetraoxide (CAS 1317-61-9): 10 mg/m³ (worker, inhalation, long-term exposure - systemic and local effects)

Predicted No-Effect Concentration (PNEC): No information available

Additional Information: No information available

8.2 Exposure controls

Appropriate engineering controls

Technical protective measures: Ensure adequate ventilation, especially in confined areas.

Personal Protection/General protective measures: Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work. Wash contaminated clothes before reuse.

Respiratory protection: Dust mask recommended when very dusty (with particle filter P1).

Hand protection: Protective gloves (EN 374)

Protective glove material: Leather (< 60 min)

Eye protection: Safety glasses with protective shields (EN 166).

Body protection: Protective clothing.

Environmental precautions: Prevent from getting into the soil, surface water and sewage system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form: powder
Color: black
Odor: odorless
Odor threshold: No information available.
pH-Value: 4 - 8 (10 % w/w)
Melting temperature: > 1000°C (> 1832°F)
Boiling temperature: not available
Flash point: not available
Evaporation rate: not applicable
Flammability (solid, gas): not available
Upper explosion limit: not determined
Lower explosion limit: not determined
Vapor pressure: not applicable
Vapor density: No information available.
Density: 4.6 kg/l (20°C)
Solubility in water: insoluble
Coefficient of variation (nOctanol/Water):no information available
Auto-ignition temperature: No information available.
Decomposition temperature: No data available.
Viscosity, dynamic: not applicable
Explosive properties: not applicable
Oxidizing properties: No information available.

9.2 Other safety information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

This material is considered to be stable.

10.4 Conditions to avoid

Avoid temperatures above 80°C: product can become instable and oxidize. Under unfavourable conditions, the additionally caused heat can lead to ignition of combustible materials nearby. Therefore, do not store the product near sources of heat.

10.5 Incompatible materials

No information available

10.6 Hazardous decomposition products

None if stored and handled according to specifications.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Toxicity:

LD50, oral:Not tested.

LD50, dermal: not determined

LC50, inhalation:not determined

Primary effects:

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

Water hazard class: 0, not hazardous (German Regulation, Assessment by list)

Local regulations on chemical accidents: Seveso III Directive: not applicable under Directive 2012/18/EC.

Employment restrictions: none

Restriction and prohibition of application: EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable Chemical Weapons Convention (CWC), Lists of toxic chemicals and raw materials: not forbidden and/or restricted

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

16. Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Krzysztof Obarski Hobby Pro and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.