

SAFETY DATA SHEET



According to OSHA Hazard Communication Standard 29CFR 1910.1200 (HCS 2012)

279497		PS 279 497 SanitIP red PP25KG	
Product specification	RS_FP_303050	Revision Date	11/21/2019
Version	1.3	Print Date	11/21/2019
Material number	1134441	Page	Page 1 of 10

SECTION 1. IDENTIFICATION

Product name : **279497**
PS 279 497 SanitIP red PP25KG

Material number : **1134441**

Manufacturer or supplier's details

Company name of supplier : Ferro Corporation
Address : 6060 Parkland Blvd. Suite 250
Mayfield Heights OH 44124-4185
Telephone : (216) 875-5600

Emergency telephone number

In-Country Number : (800)424-9300
CHEMTREC Global Number : +(1)-703-527-3887 (Call Collect)

Recommended use of the chemical and restrictions on use

Recommended use : Industrial use
Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.
Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : inorganic pigment

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
inclusion pigment	102184-95-2	>= 90 - <= 100
zirconium silicate	14940-68-2	>= 1 - < 5

SECTION 4. FIRST AID MEASURES

General advice : Consult a physician.
If inhaled : Remove to fresh air.
If unconscious place in recovery position and seek medical advice.

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- | | |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| In case of skin contact | : Never give anything by mouth to an unconscious person.
: Wash off immediately with soap and plenty of water.
If a person feels unwell or symptoms of skin irritation appear, consult a physician. |
| In case of eye contact | : Rinse immediately with plenty of water and seek medical advice. |
| If swallowed | : Do NOT induce vomiting.
Rinse immediately with plenty of water and seek medical advice. |
| Most important symptoms and effects, both acute and delayed | : None known. |
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SECTION 5. FIREFIGHTING MEASURES

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|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | : Do not use a solid water stream as it may scatter and spread fire. |
| Specific hazards during firefighting | : Exposure to decomposition products may be a hazard to health.
Do not allow run-off from fire fighting to enter drains or water courses. |
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. |
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SECTION 6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures | : Ensure adequate ventilation.
Follow safe handling advice and personal protective equipment recommendations. |
| Environmental precautions | : Do not flush into surface water or sanitary sewer system.
Prevent product from entering drains. |
| Methods and materials for containment and cleaning up | : Sweep up and shovel into suitable containers for disposal.
Clean contaminated floors and objects thoroughly while observing environmental regulations. |
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SECTION 7. HANDLING AND STORAGE

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| Advice on safe handling | : Do not get in eyes or mouth or on skin.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Do not use in areas without adequate ventilation.
Keep away from heat and sources of ignition. |
| Conditions for safe storage | : Keep in a dry, cool and well-ventilated place. |

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
inclusion pigment	102184-95-2	TWA	5 mg/m3 (Zirconium)	OSHA Z-1
		TWA	0.01 mg/m3 (cadmium)	ACGIH
		TWA (Respirable fraction)	0.002 mg/m3 (cadmium)	ACGIH
		TWA	5 mg/m3 (Zirconium)	ACGIH
		STEL	10 mg/m3 (Zirconium)	ACGIH
		TWA	5 mg/m3 (Zirconium)	OSHA P0
		STEL	10 mg/m3 (Zirconium)	OSHA P0
		TWA	5 mg/m3 (Zirconium)	NIOSH REL
		ST	10 mg/m3 (Zirconium)	NIOSH REL
		PEL	0.005 mg/m3 (cadmium)	OSHA CARC
zirconium silicate	14940-68-2	TWA	5 mg/m3 (Zirconium)	OSHA Z-1
		TWA	5 mg/m3 (Zirconium)	ACGIH
		STEL	10 mg/m3 (Zirconium)	ACGIH
		TWA	5 mg/m3 (Zirconium)	OSHA P0
		STEL	10 mg/m3 (Zirconium)	OSHA P0
		TWA	5 mg/m3 (Zirconium)	NIOSH REL
		ST	10 mg/m3 (Zirconium)	NIOSH REL

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
inclusion pigment	102184-95-2	cadmium	In blood	Not critical	5 µg/l	ACGIH BEI

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		cadmium	Urine	Not critical	5 µg/g creatinine	ACGIH BEI
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Engineering measures : Apply technical measures to comply with the occupational exposure limits.
Provide adequate ventilation.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection
Material : Protective gloves

Eye protection : Safety glasses with side-shields
Ensure that eyewash stations and safety showers are close to the workstation location.

Protective measures : Wear suitable protective equipment.
When using do not eat, drink or smoke.

Hygiene measures : Remove contaminated clothing and protective equipment before entering eating areas.
Wash hands before breaks and immediately after handling the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder
Colour : red
Odour : odourless
Odour Threshold : No data available

pH : Not applicable
Melting point/range : No data available
Boiling point/boiling range : No data available
Flash point : Not applicable
Evaporation rate : Not applicable

Burning rate : No data available
Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available
Relative vapour density : No data available

Relative density : No data available

Bulk density : No data available

Solubility(ies)
Water solubility : No data available

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Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	Not determined
Decomposition temperature	:	No data available
Viscosity	:	
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	Not applicable
Refractive index	:	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	No data available
Possibility of hazardous reactions	:	No data available
Conditions to avoid	:	Incompatible materials
Incompatible materials	:	Incompatible with oxidizing agents. Incompatible with strong acids and bases.
Hazardous decomposition products	:	Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

inhalation (dust/mist/fume)
inhalation (vapour)
Skin
Eye contact
Ingestion

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	:	Remarks: No data available
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data available

Components:

inclusion pigment:

Acute oral toxicity	:	LD50 (Rat, male and female): > 2,000 mg/kg Method: OECD Test Guideline 401 GLP: yes Assessment: The substance or mixture has no acute oral
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toxicity

Remarks: No adverse effect has been observed in acute toxicity tests.

Skin corrosion/irritation

Not classified based on available information.

Components:

inclusion pigment:

Species: reconstructed human epidermis (RhE)

Exposure time: 15 min

Assessment: No skin irritation

Method: OECD Test Guideline 439

Result: No skin irritation

GLP: no

Serious eye damage/eye irritation

Not classified based on available information.

Components:

inclusion pigment:

Species: Rabbit

Result: No eye irritation

Exposure time: 1 h

Assessment: No eye irritation

Method: OECD Test Guideline 405

GLP: yes

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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Reproductive toxicity

Not classified based on available information.

STOT Specific Target Organ Toxicity - single exposure

Not classified based on available information.

STOT Specific Target Organ Toxicity - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Components:

inclusion pigment:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 10,000 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Components:

inclusion pigment:

Biodegradability : Remarks: No data available

zirconium silicate:

Biodegradability : Remarks: No data available

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

inclusion pigment:

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Bioaccumulation : Remarks: No data available

zirconium silicate:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : Remarks: Not applicable

Mobility in soil

Product:

Distribution among environmental compartments : Remarks: No data available

Components:

inclusion pigment:

Distribution among environmental compartments : Remarks: No data available

zirconium silicate:

Distribution among environmental compartments : Remarks: No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility.

SECTION 14. TRANSPORT INFORMATION

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR

UN number : UN 3077
Proper shipping name : OTHER REGULATED SUBSTANCES, SOLID, N.O.S. (inclusion pigment)
Class : 9
Packing group : III
Labels : 9
ERG Code : 171

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Marine pollutant : yes(inclusion pigment)

SECTION 15. REGULATORY INFORMATION

TSCA list : TSCA_12b - Not relevant

TSCA list : TSCA 5a - Not relevant

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards : Chronic Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This product contains components that are reportable under the regulation.

Cadmium Compounds

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

This product contains components that are reportable under the regulation.

New Jersey Right To Know

This product contains components that are reportable under the regulation.

California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

The components of this product are reported in the following inventories:

SWISS (Switzerland) : On the inventory, or in compliance with the inventory

TSCA (United States) : On TSCA Inventory

DSL/NDSL (Canada) : All components of this product are on the Canadian DSL.

AICS (Australia) : On the inventory, or in compliance with the inventory

NZioC (New Zealand) : On the inventory, or in compliance with the inventory

ENCS (Japan) : Not in compliance with the inventory

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ISHL (Japan)	:	Not in compliance with the inventory
KECI (Korea)	:	On the inventory, or in compliance with the inventory
PICCS (Philippines)	:	Not in compliance with the inventory
IECSC (China)	:	On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Revision Date : 11/21/2019

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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