

# Safety Data Sheet

## PE/P/M 30 GLOSS GREY RAL 7038

Safety Data Sheet dated 4/5/2015, version 7

---

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

#### 1.1. Product identifier

Mixture identification:

Trade name: PE/P/M 30 GLOSS GREY RAL 7038

ID: 123 INVERPUL PE/P/M

Trade code: 54176

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

Recommended use:

Metal paint for use in industrial applications

#### 1.3. Details of the supplier of the safety data sheet

Company: Inver S.p.A. con Unico Socio

Registered address: Via di Corticella 205 - BOLOGNA

Telephone 051/6380411 - Fax 051/322000

Laboratory and production: Via Marconi 10 - Minerbio (BO)

Telephone 051/6606811 - Fax 051/6604100

Competent person responsible for the safety data sheet:

spp@inver.com

#### 1.4. Emergency telephone number

Niguarda Hospital - Milano - Tel. 02/66101029

---

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

None.

EC regulation criteria 1272/2008 (CLP):

The mixture is not classified as dangerous according to EC Regulation 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Symbols:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

EUH210 Safety data sheet available on request.

Contents:

Zinc mercaptobenzothiazole: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

#### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

# Safety Data Sheet

## PE/P/M 30 GLOSS GREY RAL 7038

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

N.A.

#### 3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

None.

The complete text of eventual R phrases is shown in paragraph 16.

---

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Contact with skin:

In the case of skin contact, wash with water, rinse thoroughly: do not use organic solvents.

##### Contact with eyes:

Do not allow the injured person to touch or rub the affected eye.

If the eye closes in a painful spasm, open the eyelid carefully but decisively. Make sure not to allow contaminated water to enter the unaffected eye.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

##### Swallowing:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

##### Inhalation:

Move the patient to a well ventilated location and keep him/her at rest. If respiration is irregular or has stopped completely, apply artificial respiration. In the case of unconsciousness, check pulse and breathing, place in a position of rest and immediately call for a doctor.

Remove casualty to fresh air and keep warm and at rest.

#### 4.2. Most important symptoms and effects, both acute and delayed

None

#### 4.3. Indication of any immediate medical attention and special treatment needed

##### Treatment:

None

---

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Recommended extinguishers:

CO<sub>2</sub>, foam, chemical powders, according to the materials involved in the fire.

Carbon dioxide (CO<sub>2</sub>).

##### Extinguishing media which must not be used for safety reasons:

None in particular.

#### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

During combustion toxic organic and inorganic fumes may be produced.

#### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

## Safety Data Sheet

### PE/P/M 30 GLOSS GREY RAL 7038

#### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
  - Wear personal protection equipment.
  - Remove persons to safety.
  - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
  - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
  - Retain contaminated washing water and dispose it.
  - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
  - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
  - Wash with plenty of water.
- 6.4. Reference to other sections
  - See also section 8 and 13

---

#### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
  - Avoid contact with skin and eyes, inhalation of vapours and mists.
  - Those suffering from respiratory tract problems or allergic reactions must avoid exposure to powder paint and its handling.
  
  - Avoid contact and inhalation of dust. See, too, paragraph 8 below.
  - It is absolutely imperative to avoid the formation of concentrations of powders higher than the flammability or explosion limit or the professional limit for exposure.
  
  - Keep products away from sources of heat, sparks, electrostatic charges, naked flames or other possible sources of ignition.
  - Keep containers well closed.
  
  - Electrical and lighting equipment must be suitably protected in conformity with the standards appropriate for avoiding contact between the powder with hot surfaces, naked flames, sparks, electrostatic charges or other possible sources of ignition.
  
  - The compound may become electrostatically charged.
  
  - Workers must wear antistatic shoes and clothing, the floors must be conductive and the installations and equipment must be provided with earth connections. Use anti-spark equipment.
  
  - Avoid contact with the skin and eyes. Do not inhale the powders, aerosols and sprays which form during application of the paint. Avoid inhalation during sand blasting.
  - Do not eat or drink while working.
  - See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
  - Keep away from food, drink and feed.
  - Incompatible materials:
    - See also paragraph 10 below.
    - Store the product in a dry place at temperature not exceeding 30 °C.
    - Avoid any direct exposure to sun rays, heat sources, naked flames and sparks. Keep away from oxidising agents, strong alkalis and strong acids.
    - Do not smoke. Access to storage areas is prohibited to unauthorised personnel. Containers which have been opened must be closed again carefully and kept upright so as to avoid spills.
    - Instructions as regards storage premises:
      - Adequately ventilated premises.

# Safety Data Sheet

## PE/P/M 30 GLOSS GREY RAL 7038

7.3. Specific end use(s)  
None in particular

---

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

PNOC (ACGIH 2001):

- TLV-TWA: 10 mg/m<sup>3</sup> (powders which may be inhaled);

- TLV-TWA: 3 mg/m<sup>3</sup> (powders which may be breathed).

Legend :

TLV: threshold limit value

TWA: time weighted average

STEL: short time exposure limit

C (CEILING): upper limit not to be exceeded

CUTE: potential absorption through skin, mucos membranes and eyes

A1: Recognised carcinogen for humans

A2: Suspected carcinogen for humans

A3: Carcinogen for animals

A4: Not classifiable as carcinogen for humans

A5: Not suspected as carcinogen for humans

(...): Values subject to change

European exposure limit values are approximates. Please refer to national legislation for applicable values in each country

#### 8.2. Exposure controls

Eye protection (EN 166):

Use closely fitting safety goggles and/or a visor.

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

Personnel must wear totally protective clothing.

Care must be taken in choosing protective clothes to avoid inflammation and irritation of the skin around the neck and wrists due to contact with the powder.

Protection for hands (EN 374):

Gloves resistant to chemical products

Choose a device with a protection index suitable for the type of use and duration of contact.

Follow the manufacturer's instructions regarding choice, use, maintenance and replacement.

Respiratory protection:

Not needed for normal use.

Wear masks for dust.

Thermal Hazards:

None

Environmental exposure controls:

Keep the concentrations of powder in the work environment below the threshold values.

Make sure there is adequate ventilation by installing local extractor fan units and ensuring good general circulation of air in areas where the product is stored and/or handled.

Do not eat, drink or smoke in the rooms where the product is applied.

None

# Safety Data Sheet

## PE/P/M 30 GLOSS GREY RAL 7038

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance and colour:	Polvere
Odour:	/
pH:	N.A.
Melting point (starting):	109°C
Boiling point (starting):	N.A.°C
Solid/gas flammability:	N.A.
Limit of explosion:	In air for powder concentration between 20 and 70 gr/Nmc.
Vapour density:	N.A.
Flash point:	fp>93°C
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Specific gravity:	1.425 - 1.483 kg/l
Solubility:	N.A.
Solubility in oil:	N.A.
Partition c. (n-octanol/H <sub>2</sub> O):	N.A.
Autoignition temperature:	higher than 370°C
Decomposition temperature:	N.A.
Explosive properties:	In aria per conc. di polvere tra 40 e 70 gr/Nmc.
Oxidizing properties:	N.A.

#### 9.2. Other information

Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.
Solids (%p/p):	100

---

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions

#### 10.2. Chemical stability

Stable under normal conditions

#### 10.3. Possibility of hazardous reactions

None

#### 10.4. Conditions to avoid

Stable under normal conditions.

#### 10.5. Incompatible materials

Keep away from oxidising agents, strong alkalis and strong acids to avoid exothermic reactions.

#### 10.6. Hazardous decomposition products

If subjected to high temperatures dangerous decomposition products may form such as carbon monoxide and dioxide, oxides of nitrogen, toxic organic and inorganic fumes.

---

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

N.A.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

a) acute toxicity;

54176/000001/7

Page n. 5 of 8

## Safety Data Sheet

### PE/P/M 30 GLOSS GREY RAL 7038

- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

---

#### SECTION 12: Ecological information

##### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

N.A.

List of substances dangerous for the environment and corresponding classification:

0.2 % Zinc mercaptobenzothiazole

CAS: 155-04-4

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

383 ppm benzothiazole-2-thiol

CAS: 149-30-4

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

##### 12.2. Persistence and degradability

N.A.

##### 12.3. Bioaccumulative potential

N.A.

##### 12.4. Mobility in soil

N.A.

##### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

##### 12.6. Other adverse effects

None

---

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

---

#### SECTION 14: Transport information

##### 14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

##### 14.2. UN proper shipping name

N.A.

##### 14.3. Transport hazard class(es)

N.A.

##### 14.4. Packing group

N.A.

##### 14.5. Environmental hazards

N.A.

##### 14.6. Special precautions for user

N.A.

##### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

**Safety Data Sheet**  
**PE/P/M 30 GLOSS GREY RAL 7038**

---

**SECTION 15: Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)  
Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Dir. 2006/8/EC  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) n. 453/2010 (Annex I)  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).  
1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):  
N.A.

15.2. Chemical safety assessment

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Council Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparations) and subsequent amendments. Regulation (EC) nr 1272/2008 (CLP). Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH).  
No

---

**SECTION 16: Other information**

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification  
SECTION 9: Physical and chemical properties  
SECTION 15: Regulatory information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities  
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold  
CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

## Safety Data Sheet

### PE/P/M 30 GLOSS GREY RAL 7038

This safety data sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.