

Substance key: 000000895952

Revision Date: 04.03.2022

Version : 1 - 0 / RI

Date of printing : 04.03.2022

1. PRODUCT AND COMPANY IDENTIFICATION

Trade name**REMAFIN-SILVER PLS3400509-ZN MX-G0117****Material number:** PLS3400509**Recommended use:**

Industry sector : Plastic processing industry.

Type of use : Additive for plastic material processing

Supplier name/address/telephone no.:

PT Avient Colorants Indonesia

Gatot Subroto Km.4,Jl.Kalisabi No.1,Building 37,Kec. Cibodas

Tangerang, Indonesia 15138, Indonesia

Telephone : +62 21 5538589

Information about the substance/preparation

Product Safety : +62 21 5538589

e-mail: PS_CS_MB_SEA@Avient.com

Emergency telephone number: +62 21 5538589

2. HAZARDS IDENTIFICATION

GHS Classification

Not a dangerous substance according to GHS.

GHS label elements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

Spilled granules give rise to a slipping hazard. Clean up immediately.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Colourant preparation
Carrier: LLDPE**Components**

No hazardous ingredients

4. FIRST AID MEASURES

General advice : No special measures necessary.

If inhaled : No special measures necessary.

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- In case of skin contact : Cool skin rapidly with cold water after contact with molten material.
Do not peel solidified product off the skin.
Get medical attention.
- In case of eye contact : Obtain medical attention.
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
- If swallowed : Do NOT induce vomiting.
Call in a physician immediately and show him the Safety Data Sheet.
- Most important symptoms and effects, both acute and delayed : No symptoms known currently.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Foam
Carbon dioxide (CO₂)
Dry powder
- Unsuitable extinguishing media : High volume water jet
Water spray jet
- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide
Carbon dioxide (CO₂)
- Special protective equipment for firefighters : Self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : See: Exposure controls and personal protection.
Sweep up to prevent slipping hazard.
- Environmental precautions : Do not allow to enter drains or waterways
- Methods and materials for containment and cleaning up : Treat recovered material as described in the section "Disposal considerations".

7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.
- Advice on safe handling : Ensure good general ventilation in the workplace; local exhaust ventilation may be necessary, especially when

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emptying containers.

Conditions for safe storage : Keep container tightly closed in a cool, well-ventilated place.
Protect from moisture.
Keep away from direct sunlight.

Materials to avoid : not required

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Engineering measures : No special measures necessary.

Personal protective equipment

Respiratory protection : In case of insufficient exhaust ventilation or prolonged exposure use respiratory protection equipment.

Hand protection

Remarks

: Leather gloves Nitrile rubber gloves. Minimum thickness (glove): valid statement not possible. Minimum breakthrough time (glove): valid statement not possible. These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing.

Protective measures : Observe the usual precautions for handling chemicals.

Hygiene measures : The usual Industrial Hygiene precautions must be taken during work, in particular: do not drink, eat or smoke during the handling of the product and clean hands and face during work intervals and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Granules

Colour : silver colours

Odour : characteristic

Odour Threshold : not available

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pH	:	Not applicable
Melting point	:	> 120 °C
Boiling point	:	Not applicable
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Self-ignition	:	Not applicable
Burning number	:	Not applicable
Upper explosion limit / upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	Not applicable
Density	:	approx. 1,09 g/cm ³ Value determined from data on raw material.
Solubility(ies) Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	Not applicable
Decomposition temperature	:	To the best of our current knowledge, no thermal decomposition of the product is expected if it is processed according to good manufacturing practices.
Viscosity Viscosity, dynamic	:	Not applicable

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Temperatures exceeding thermal stability of the masterbatch. Electrostatic charges.
Incompatible materials	:	not known
Hazardous decomposition products	:	No decomposition if used as directed.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg
Remarks: The product has not been tested. The information is derived from the properties of the individual components.

Skin corrosion/irritation

Product:

Result : No skin irritation

Serious eye damage/eye irritation

Product:

Result : No eye irritation

Respiratory or skin sensitisation

Product:

Result : non-sensitizing

Aspiration toxicity

Product:

no data available

Further information

Product:

Remarks : Determined on raw material components.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to soil dwelling organisms : Remarks: not available

Plant toxicity : Remarks: not available

Persistence and degradability

Product:

Biodegradability : Remarks: not available

Physico-chemical removability : Remarks: The product can be separated out mechanically.

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Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: not available

Mobility in soil

no data available

Other adverse effects**Product:**

Additional ecological information : Do not allow to enter ground water, waterways or waste water.

13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Residual chemical should be subjected to waste management, using an approved waste disposal contractor.

Contaminated packaging : Contaminated packaging material should be treated equivalent to residual chemicals. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

14. TRANSPORT INFORMATION

IATA not restricted

IMDG not restricted

15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

Minister of Industry Regulation No. 23/M-IND/PER/4/2013 concerning the Revision of Minister of Industry Regulation No. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals.**16. OTHER INFORMATION**

Date format : yyyy/mm/dd

Full text of other abbreviations

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AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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