

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Article no.: AR, AP-G
Date of print: 26.05.2011

Revision date: 17.03.2010

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1. Identification of the substance/ preparation and of the company/ undertaking

Identification of the substance or preparation AR, AP-G
AR-SG/-ZSG/-SM/-TSM/-MA/-TMA
AR-MSG; AP-GGL/-GSG, AP-TM
AP-0136-MA445

Use of the substance/ preparation:
electrostatic coated of metall surfaces

Supplier (manufacturer/importer/downstream user/distributor):

Ganzlin Beschichtungspulver GmbH
Grüner Weg 1
19395 Ganzlin

Telephone: 038737 / 3030
Telefax: 038737 / 30311
www.ganzlin.com

Dept. responsible for information:

Labor
Only available during office hours:
Emergency telephone:

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038737 / 303-60

2. Hazards identification

Hazard designation:



Xi Irritant

Information pertaining to special dangers for human and environment

43 May cause sensitization by skin contact.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/ Information on ingredients

chemical characterization (preparation)

Description: Pulverlack auf Polyesterharz-Basis

Hazardous ingredients:

EC No: CAS No.: INDEX no.:	Identification of the hazard: R phrases: REACH No:	danger symbol(s): Remark:	% by weight
7195-44-0	Terephthalsäurediglycidylester 36/38-43-51/53	Xi,N	2,5 - 5
7237-83-4	Trimellitsäure-triglycidylester 36/38-43-51/53	Xi,N	0,5 - 1
217-461-0 1860-26-0	2-Ethyl-N,N-bis(2-ethylhexyl)hexyl amine 50/53	N	< 0,5

Additional information

* Substance with a common (EC) occupational exposure limit value.
Full text of R-phrases: see section 16.

4. First-aid measures

General information:

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.

After inhalation::

Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration.

In case of skin contact:

Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

In case of eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

After ingestion:

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If swallowed, rinse mouth with water (only if the person is conscious). Consult physician immediately. Keep victim calm. Do not induce vomiting.

5. Fire-fighting measures

Suitable extinguishing media:

alcohol resistant foam, carbon dioxide fire blanket, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

inert gas under high pressure (e.g. carbon dioxide), Strong water jet.

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

Special protective equipment for firefighters:

Provide a conveniently located respiratory protective device.

Additional information:

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Ventilate affected area. Strictly avoid inhalation of dusts. See protective measures under point 7 and 8.

Measures to protect the environment

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

methods for cleaning up

Remove leaked material dry using explosion-proof vacuum cleaner or moistened with a broom and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13).

7. Handling and storage

Persons suffering from respiration problems or allergic reactions should not be exposed to coating powders!

Handling

Advices on safe handling

If the formation of dust is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Lighting and other electric equipment must be explosion protected in order to avoid hot surfaces, sparks and other ignition sources. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Keep away from heat sources, sparks and open flames. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protective equipment: refer to chapter 8. Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Storage

Requirements for storerooms and containers:

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

8. Exposure controls / Personal protection

Technical measures to prevent exposure

Do not breathe dust. This can be achieved with local or room suction. If the formation of dust is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used.

Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

EC No: CAS No.:	Description:	type:	Limit value		unit
			STEL (EC)	TWA (EC)	
-					

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Additional information

Stated values are taken from the then applicable German TRGS 900 or the German VCI table for exposure limit values.

TWA (EC): Occupational exposure limit value

STEL (EC): Short term occupational exposure limit value

Occupational exposure controls:

Respiratory protection:

If the formation of dust is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection:

For prolonged or repeated handling the following glove material must be used: nitrile rubber

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer.

Recommended glove articles: DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

eye protection:

Wear safety goggles to protect your eyes from dust.

Body protection:

Wear suitable protective clothing. Caution when selecting protective clothing: Avoid contact of neck and wrists with the powder because of possible skin irritations and dermatitis. After contact clean skin thoroughly with water and soap oder use appropriate cleanser.

Protective measures:

After contact clean skin thoroughly with water and soap oder use appropriate cleanser.

9. Physical and chemical properties

Appearance:

Physical state: powder

Paint: as labeled

Odour: typical

Safety relevant basis data

Flash point (°C):

unit

Method

Remark:

Minimum ignition temperature of a dust cloud:

NA

lower explosion limit:

NA

Upper explosion limit:

NA

density at 20 °C: 20

1,4 - 1,6 g/cm³

bulk density:

Water solubility (g/l):

not soluble

melting point / melting range:

Explosion-technical key figures for preparing an explosion protection document according to the ATEX product guideline
The following key figures are literature values. The powder coatings by Ganzlin Beschichtungspulver GmbH have not yet been tested explicitly in this regard. These averaged values apply for polyester, epoxy and hybrid powders.

Key figures:

Lower explosion limit for

the dust/air compound:

30 - 90 g/m³

ISO 8130/4

It is recommended to not exceed a value of 10 g of powder coating per m³ air for plant engineering.

Ignition temperature for

the dust/air compound:

450 - 600°C

VDE 0165

Minimum ignition energy:

5 - 20 mJ

Powder coatings can cause dust explosions in contact with air which are in most cases level 1 explosions. Powders containing an increased metal powder percentage can sometimes cause level 2 explosions.

The figures apply to powder coatings with a normal, conventional grain size distribution but not for the much finer (ultra-)thin-film powders.

These values represent the state of the art in science and practice. These indications are noncommittal and we assume no liability for the latter.

10. Stability and reactivity

Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to

chapter 7.

Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

11. Toxicological information

No data on preparation itself available.

Other observations:

Coating powders may cause local skin irritations, particularly in skin folds or when wearing tight-fitting clothes.

Practical experience

Overall Assessment on CMR properties:

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

12. Ecological information

Overall evaluation:

There is no information available on the preparation itself.

Coating powders should not be allowed to enter drains or waterways or to be disposed of, because they can influence ground or surface water.

Results of PBT assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 15 for details.

13. Disposal considerations

Appropriate disposal / Product

Recommendation:

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

Control report for waste code/ waste marking according to EAKV:

080201 waste coating powders

Contaminated packaging:

Recommendation:

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

14. Transport information

Transport according to ADR/RID, IMDG and ICAO/IATA.

Land transport (ADR/RID)

Class:	not a dangerous good
Hazard label:	NA
UN-No.:	NA
Hazard identification number (Kemler No.):	NA
Proper Shipping Name	
Packing Group:	NA
Tunnel restriction code:	-

Sea transport (IMDG)

Class:	NA
Hazard label:	NA
EmS-No.:	NA
UN-No.:	NA
Proper Shipping Name	
Packing Group:	NA
Marine pollutant:	NA

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Air transport (ICAO-TI / IATA-DGR)

Class: NA
UN-No.: NA
Packing Group: NA

15. Regulatory information

EU legislation

Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

Labelling (67/548/EEC or 1999/45/EC)

Danger symbol(s) and danger term(s) for dangerous materials and preparations:



Xi Irritant

Contains:

Terephthalsäurediglycidylester

R phrases:

43 May cause sensitization by skin contact.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases:

24 Avoid contact with skin.
37 Wear suitable gloves.
61 Avoid release to the environment. Refer to special instructions / safety data sheet.

Special provisions concerning the labelling of certain mixtures

NA

Other regulations (EU):

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/l) ISO 11890-2: 0,000
VOC-value (in g/l) ASTM D 2369: 0,000

National regulations

Informations on working limitations:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

16. Other information

Wording of the r-phrases under paragraph 3:

36/38 Irritating to eyes and skin.
43 May cause sensitization by skin contact.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further remarks:

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

Annex

At present, data / information on exposure scenarios are not available, so that an evaluation of the preparation cannot yet be made.