

Globally Harmonized System of Classification and Labelling of
Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : ROTOVARIO UV FPG 950 214 Silver
Material number : 053610N20

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

Company : ECKART GmbH
Guentersthal 4
91235 Hartenstein
Telephone : +499152770
Telefax : +499152777008
E-mail address : msds.eckart@altana.com
Responsible/issuing person

1.4 Emergency telephone number**NCEC:**

(contract no.: ECKART29003-NCEC)

+44 1235 239671 (Middle East/Africa, call and response in your language)

+1 215 207 0061 (Americas, call and response in your language)

+65 3158 1074 (Asia-Pacific, call and response in your language)

SECTION 2: Hazards identification**GHS Classification**

: Skin corrosion/irritation, Category 2, H315
Serious eye damage/eye irritation, Category 2A, H319
Skin sensitisation, Category 1, H317

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

GHS-Labeling

Symbol(s)

:



Signal word

: Warning

Hazard statements

: H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.

Precautionary statements

: **Prevention:**
P261 Avoid breathing dust.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P317 If skin irritation or rash occurs: Get medical help.
P337 + P317 If eye irritation persists: Get medical help.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.**Hazardous components which must be listed on the label**

Identification

CAS-No.

Propylidynetrimethanol, ethoxylated, esters
with acrylic acid

28961-43-5

Glycerol, propoxylated, esters with acrylic

52408-84-1

Globally Harmonized System of Classification and Labelling of
Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

acid

Other hazards which do not result in classification

Combustible Solids

SECTION 3: Composition/information on ingredients

Substance No. :

Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	28961-43-5	Eye Dam./Irrit.;2A;H319 Skin Sens.;1;H317	25 - 50
aluminium	7429-90-5 231-072-3	Flam. Sol.;1;H228	25 - 50
Glycerol, propoxylated, esters with acrylic acid	52408-84-1	Eye Dam./Irrit.;2A;H319 Skin Sens.;1;H317	1 - 10
dodecylphosphonic acid	5137-70-2 225-897-8	Skin Corr.;1B;H314 Eye Dam.;1;H318 STOT RE;2;H373 Aquatic Chronic;3;H412	3 - 5

For the full text of the H-Statements mentioned in this Section, see Section 16.

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

SECTION 4: First aid measures**4.1 Description of first aid measures**

General advice	: Move the victim to fresh air. Move out of dangerous area. Show this safety data sheet to the doctor in attendance.
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	: Immediately flush eye(s) with plenty of water. Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media : Dry sand, Special powder against metal fire

Globally Harmonized System of Classification and Labelling of
Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

Unsuitable extinguishing media : Water, Foam, ABC powder, Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

This information is not available.

5.3 Advice for firefighters

Special protective equipment for firefighters : Use personal protective equipment.

Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Evacuate personnel to safe areas.
Use personal protective equipment.
Remove all sources of ignition.
Use personal protective equipment.
Avoid dust formation.

6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

Methods for cleaning up : Use mechanical handling equipment.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Do not flush with water.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling : Keep away from heat and sources of ignition. Avoid dust formation. Ensure adequate ventilation.

Avoid formation of respirable particles. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition. Earthing of containers and apparatuses is essential.

Avoid dust formation.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep container closed when not in use. Keep away from sources of ignition - No smoking.

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

- Further information on storage conditions : Protect from humidity and water. Do not allow to dry.
- Advice on common storage : Do not store together with oxidizing and self-igniting products. Never allow product to get in contact with water during storage. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
- Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Germany:**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium	7429-90-5	AGW (Inhalable fraction)	10 mg/m3	2021-07-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
aluminium	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m3	2021-07-02	DE TRGS 900

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

Peak-limit: excursion factor (category)	2;(II)
Further information	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child

United States of America (USA):

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	2012-07-01	
aluminium	7429-90-5	TWA (Respirable)	5 mg/m3	2013-10-08	
aluminium	7429-90-5	TWA (total dust)	15 mg/m3	2012-07-01	
aluminium	7429-90-5	TWA (total)	10 mg/m3	2013-10-08	
aluminium	7429-90-5	TWA (respirable fraction)	5 mg/m3	2012-07-01	
aluminium	7429-90-5	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01	
aluminium	7429-90-5	PEL (Total dust)	10 mg/m3	2014-11-26	
aluminium	7429-90-5	PEL (respirable dust fraction)	5 mg/m3	2014-11-26	
aluminium	7429-90-5	TWA (Respirable particulate matter)	1 mg/m3	2008-01-01	
aluminium	7429-90-5	TWA	5 mg/m3	2005-09-01	
aluminium	7429-90-5	TWA (Total)	15 mg/m3	1989-01-19	
aluminium	7429-90-5	TWA (Respirable fraction)	5 mg/m3	1989-01-19	
aluminium	7429-90-5	TWA (total dust)	15 mg/m3	2011-07-01	
aluminium	7429-90-5	TWA (respirable fraction)	5 mg/m3	2011-07-01	
aluminium	7429-90-5	TWA (Total dust)	15 mg/m3	1989-01-19	
aluminium	7429-90-5	TWA (respirable dust fraction)	5 mg/m3	1989-01-19	
aluminium	7429-90-5	TWA (welding fumes)	5 mg/m3	2013-10-08	

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

aluminium	7429-90-5	TWA (pyro powders)	5 mg/m3	2013-10-08	
aluminium	7429-90-5	TWA (Respirable particulate matter)	1 mg/m3	2013-03-01	
aluminium	7429-90-5	TWA (Fumes)	5 mg/m3	1989-01-19	
aluminium	7429-90-5	PEL (Welding fumes)	5 mg/m3	2017-10-02	
aluminium	7429-90-5	PEL (Pyro powders)	5 mg/m3	2017-10-02	
aluminium	7429-90-5	TWA (powder)	5 mg/m3	1989-01-19	
2-ethyl-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl] diacrylate	15625-89-5	TWA	1 mg/m3	2008-01-01	

8.2 Exposure controls

Personal protective equipment

- Eye protection : Wear face-shield and protective suit for abnormal processing problems.
- Hand protection
- Material : Solvent-resistant gloves
- Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
The exact break through time can be obtained from the protective glove producer and this has to be observed.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- Recommended preventive skin protection

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

- Skin should be washed after contact.
The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Skin and body protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
: Long sleeved clothing
Safety shoes
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
: Use suitable breathing protection if workplace concentration requires.

Environmental exposure controls

- General advice : The product should not be allowed to enter drains, water courses or the soil.
: Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance : Pasty solid
- Colour : silver
- Odour : characteristic
- pH : substance/mixture is non-soluble (in water)
- Melting point/range : > 600 °C
- Boiling point/boiling range : No data available
- Flash point : No data available
- Bulk density : No data available

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

Flammability (solid, gas)	: Combustible Solids
Auto-flammability	: not auto-flammable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Density	: 1,3 - 2,0 g/cm ³
Solubility(ies)	
Water solubility	: insoluble
Miscibility with water	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Flow time	: No data available
Explosive properties	: Not explosive

9.2 Other information

No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

No decomposition if stored and applied as directed.

10.2 Chemical stability

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Reacts with alkalis, acids, halogenes and oxidizing agents.
Contact with acids and alkalis may release hydrogen.
Mixture reacts slowly with water resulting in evolution of hydrogen.
Vapour/air-mixtures are explosive at intense warming.

Stable under recommended storage conditions.

10.4 Conditions to avoid

Conditions to avoid : Do not allow to dry.
No data available

10.5 Incompatible materials

Materials to avoid : Acids
Bases
Oxidizing agents
Highly halogenated compounds

10.6 Hazardous decomposition products

Other information : No data available

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

No data available

Skin corrosion/irritation**Product**

May cause skin irritation and/or dermatitis.

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

Serious eye damage/eye irritation

Product

Result: Eye irritation

Eye irritation

Respiratory or skin sensitisation

Product

Causes sensitisation.

May cause sensitisation of susceptible persons by skin contact.

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Globally Harmonized System of Classification and Labelling of
Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

Aspiration toxicity

No data available

Further information**Product**

No data available

SECTION 12: Ecological information**12.1 Toxicity****Components:****dodecylphosphonic acid (5137-70-2) :****Ecotoxicology Assessment**

Long-term (chronic) aquatic hazard : Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

12.6 Other adverse effects**Product:**

Additional ecological : No data available
information

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Product	: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. In accordance with local and national regulations.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. In accordance with local and national regulations.

SECTION 14: Transport information**14.1 UN number****ADR**

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

Globally Harmonized System of Classification and Labelling of
Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name**ADR**

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class**ADR**

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

Globally Harmonized System of Classification and Labelling of
Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

ADR

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards**14.6 Special precautions for user**

Not classified as dangerous in the meaning of transport regulations.

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

No data available

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH - Candidate List of Substances of Very High
Concern for Authorisation (Article 59).

: Not applicable

REACH - List of substances subject to authorisation
(Annex XIV)

: Not applicable

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Banned and/or restricted (Propylidynetrimethanol, ethoxylated, esters with acrylic acid) (aluminium powder (stabilised)) (Glycerol, propoxylated, esters with acrylic acid)

15.2 Chemical safety assessment

No data available

SECTION 16: Other information**Full text of H-Statements**

H228	: Flammable solid.
H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H373	: May cause damage to organs through prolonged or repeated exposure.
H412	: Harmful to aquatic life with long lasting effects.

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.

SAFETY DATA SHEET



Globally Harmonized System of Classification and Labelling of
Chemicals (GHS)

ROTOVARIO UV FPG 950 214 Silver

Version 5.0

Revision Date 11.07.2023

Print Date 13.07.2023
