

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

RIGO
VERFFABRIEK

Trade name : STEP_Verharder_Parketlak_2K_NW
Revision date : 08.09.2021
Print date : 06-04-2022

Version (Revision) : 2.1.0 (2.0.0)

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

1.1 Product identifier

STEP_Verharder_Parketlak_2K_NW

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

Hardener for coating materials

1.3 Details of the supplier of the safety data sheet

Supplier

RIGO Verffabriek BV

Street : Dokweg 40

Postal code/City : 1976 CA IJmuiden

Telephone : +31 (0)255 548448

Information contact : veilig@rigoverffabriek.nl

1.4 Emergency Telephone Number:

+31 (0)255 548448 Call a doctor/physician or call 111 (less urgent 999)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

Classification procedure

H315: Obtained on the basis of the calculation method

H317: Obtained on the basis of the calculation method

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Exclamation mark (GHS07)

Signal word

Warning

Hazard components for labelling

MULTIFUNCTIONAL POLYCARBODIIMIDE ; CAS No. : 260057-94-1

Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing mist/spray.

P264 Wash your hands thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P321 Specific treatment (See section 4 First aid measures).

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P302+P352 IF ON SKIN: Wash with plenty of water and soap

Remark

None

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

MULTIFUNCTIONAL POLYCARBODIIMIDE ; EC No. : 807-823-1; CAS No. : 260057-94-1

Weight fraction : $\geq 25 - < 50 \%$

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317

Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

Components according to regulation (EG) Nr. 648/2004

None

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Never give anything by mouth to an unconscious person or a person with cramps. If unconscious but breathing normally, place in recovery position and seek medical advice.

Following inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. When in doubt or if symptoms are observed, get medical advice.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Immediately remove any contaminated clothing, shoes or stockings.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

Following ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. When in doubt or if symptoms are observed, get medical advice.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam Carbon dioxide (CO₂), Extinguishing powder, Water mist.

Unsuitable extinguishing media

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Strong water jet

5.2 Special hazards arising from the substance or mixture

Heating causes rise in pressure with risk of bursting. Hazardous combustion products (dense) black smoke, Carbon monoxide Carbon dioxide (CO₂)

5.3 Advice for firefighters

Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Use appropriate container to avoid environmental contamination. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Prevent leaks and prevent soil / water pollution caused by leaks. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

SECTION 8: Exposure controls/personal protection SECTION 13: Disposal considerations

SECTION 7: Handling and storage

Take care for general good hygiene and housekeeping.

7.1 Precautions for safe handling

Do not breathe gas/vapour/aerosol. Personal protection equipment: see section 8 Avoid contact with skin, eyes and clothes. When using do not eat, drink, smoke, sniff. Wash hands before eating, drinking or smoking. Immediately remove any contaminated clothing, shoes or stockings.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place. Never use pressure to empty container. Keep only in the original container at temperature not exceeding 40 °C.

Hints on joint storage

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. If handled uncovered, arrangements with local exhaust ventilation have to be used.

Personal protection equipment

Users are advised to consider national Occupational Exposure Limits or other equivalent values.

Eye/face protection

Suitable eye protection

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Eye glasses with side protection.

Skin protection

Only wear fitting, comfortable and clean protective clothing.

Hand protection

Suitable glove type according to DIN EN 374.

Gloves for repeated or prolonged exposure (breakthrough time > 480 min):

Nitrile rubber (NBR), Thickness > 0,3 mm.

Butyl rubber, Thickness > 0,3 mm.

Gloves for splash protection and short protection (breakthrough time > 30 min):

Nitrile rubber (NBR), Thickness > 0,25 mm.

Splash protection gloves should be replaced immediately if they come into contact with chemicals.

Due to many conditions (e.g. temperature, wear) the practical use of a chemical protective glove in practice can be much shorter than the breakthrough time determined through testing. Check safety gloves for correct condition before each use.

Additional hand protection measures : Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection

Respiratory protection If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection necessary at: exceeding exposure limit values.

Suitable respiratory protection apparatus

Filtering device with filter or ventilator filtering device of type: The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

General information

Wash hands before breaks and after work. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour : colourless

Odour : Like amine.

Safety characteristics

Physical state :			Liquid
Melting point/freezing point :			not relevant
Freezing point :			not relevant
Initial boiling point and boiling range :			No data available
Decomposition temperature :			No data available
Lower explosion limit :			No data available
Upper explosion limit :			No data available
Density - dependent of color :	(20 °C)	approx.	1,04 g/cm ³
Relative density :	(20 °C)		No data available
Water solubility :	(20 °C)		Geheel wateroplosbaar
pH :			9 - 11
log P O/W :			No data available
Cinematic viscosity :	(40 °C)		No data available
Solid content :		approx.	40 Weight-%
Odour threshold :			No data available
Relative vapour density :	(20 °C)		No data available
Vapourisation rate :			No data available
Flammable solids :			Not applicable.
Flammable gases :			Not applicable.

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Oxidising liquids : Not relevant.
Explosive properties : Not relevant.

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

No information available.

Acute dermal toxicity

No information available.

Acute inhalation toxicity

No information available.

Corrosion

Skin corrosion/irritation

Parameter :	Skin corrosion/irritation
Species :	Rat
Result :	Slightly irritant
Parameter :	Skin corrosion/irritation
Result :	Non-irritant Practical experience/human evidence

Serious eye damage/eye irritation

Parameter :	Serious eye damage/eye irritation
Result :	Data lacking

Irritation to respiratory tract

No information available.

Respiratory or skin sensitisation

Skin sensitisation

No information available.

Sensitisation to the respiratory tract

No information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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Carcinogenicity

No information available.

Germ cell mutagenicity

No information available.

Reproductive toxicity

No information available.

STOT-single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration hazard

No information available.

SECTION 12: Ecological information

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Disposal of this product and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

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No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

None

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Indication of changes

02. Label elements

16.2 Abbreviations and acronyms

ADR = Europese overeenkomst met betrekking tot het vervoer van gevaarlijke goederen over de weg
ATE = Acuut toxiciteitsschatting
BCF = Bioconcentration Factor, bioconcentratiefactor
BOD = Biochemical Oxygen Demand/Biological Oxygen Demand
CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)
CLP = Indeling, etikettering en verpakking van stoffen en mengsels [Verordening (EG) No. 1272/2008]
CMR = Carcinogenic, Mutagenic or toxic to Reproduction (substances)
COD = Chemical Oxygen Demand
CSR = Chemical Safety Report
DNEL = Derived No-Effect Level, de afgeleide dosis zonder effect
EbC50 = Median effective concentration (biomass, e.g. of algae)
EC50 = Median effective concentration
ED50 = Effective Dose
EINECS = European Inventory of Existing Commercial Chemical Substances (EU, outdated, now replaced by EC Number)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
IATA = International Air Transport Association, internationaal Lucht Transport Vereniging
IMDG = International Maritime Dangerous Goods Code, internationaal Maritiem Transport voor Gevaarlijke goederen
ISO = International Organization for Standardization
IUCLID = International Uniform Chemical Information Database
Kow = Octanol/Water Partition Coefficient
LC50 = Concentration required to kill 50% of test organisms
LD50 = Dose required to kill 50% of test organisms
LEL = Lower Explosive Limit/Lower Explosion Limit
LOAEL = Lowest observed adverse effect level
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
OECD = Organization for Economic Cooperation and Development
OEL = Occupational Exposure Limits
PBT = Persistent, Bioaccumulatief en Toxisch
PNEC = Voorspelde geen effect concentratie
RAR = Risk Assessment Report (EU)
REACH = Registration, Evaluation and Authorization of Chemicals
REL = Recommended Exposure Limit

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SI = International System of Units
STEL = Short-Term Exposure Limit
SVOC = Semi-Volatile Organic Compound
TLV = Threshold Limit Value
TWA = Time-Weighted Average
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative, zeer persistent en zeer bioaccumulatief
WEEL = Workplace Environmental Exposure Limit

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The classification of mixtures and applied evaluation method in accordance with regulation (EC) Nr. 1272/2008 [CLP] has been appointed in section 2.1

16.5 Relevant H- and EUH-phrases (Number and full text)

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.