POLITHERM 26 R ME GRAY WU006495-Product name Code 14440759

0069 11453 BR

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name POLITHERM 26 R ME GRAY WU006495-0069 11453 BR

Code 14440759

Main recommended uses : Electrostatic powder paint for surface coating.

Address Rodovia BR 280 - km 50

CEP 89270-000, Guaramirim - SC

Telephone +55 47 3276-4000

Emergency telephone

number

0800 720 8000

E-mail / site : tintas@weg.net | www.weg.net

2. HAZARD IDENTIFICATION

Mixture classification

Serious eye damage/eye

irritation

Category 1

Skin sensitization Category 1

Germ cell mutagenicity Category 1A

Specific target organ toxicity - : Category 2

Repeated exposure

Classification according to NBR 14725-2/2009

Labelling Elements







Warning phrase Danger

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Hazard phrases

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H340 May cause genetic defects.

H373 May cause damage to organs through prolonged or

repeated exposure.

Caution Phrases

Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read

and understood.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P272 Contaminated work clothing should not be allowedout of

the workplace.

P280 Wear protective gloves/ protective clothing/ eye

protection/ face protection.

Reaction:

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.

P308+P313 IF exposed or concerned: Call a doctor.

P310 Immediately call a POISON CENTER/doctor.

P333+P313 If skin irritation or a rash occurs: Get

medicaladvice/attention.

P362+P364 Take off contaminated clothing and wash it before

reuse.

Storage:

P405 Store locked up.

Treatmentand disposal of waste:

P501 Dispose of contents/container as chapter 13 of the

MSDS.

Other hazard : The finely dispersed particles form explosive mixtures in air, in

the presence of sparks. Burning forms a thick black smoke. Inhalation of dangerous products of decomposition may cause

serious damage to health.

3. COMPOSITION AND INFORMATION ABOUT THE INGRENDIENTS

Product type: : Mixture

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Ingrendients that contribute to danger:

Product name	CAS No.	Risck classification	Concentration [%]
TRIGLICIDILISOCIANURA	2451-62-9	Acute toxicity Ingestion, Category 3 Acute toxicity - Inhalation Inhalation, Category 3 Skin sensitization , Category 1 Specific target organ toxicity - Repeated exposure , Category 2 Hazardous to the aquatic environment - Cronic , Category 3 Germ cell mutagenicity , Category 1A Serious eye damage/eye irritation , Category 1	>= 1 - < 5

4. FIRST AID MEASURES

Inhalation : Take the victim to fresh air, keeping them rested and warm. If

breathing is irregular or has stopped, apply artificial respiration. Do not give anything orally. Seek medical assistance immediately, bringing the product label whenever

possible.

Contact with the skin : Remove all contaminated clothing immediately. Wash affected

area with plenty of soap and water.

Contact with the eyes : Remove contact lenses, if wearing any. Flush the eyes with

running water for at least 15 minutes, holding the eyelids apart. Seek medical assistance immediately, bringing the

product label with you.

Ingestion : Do not provoke vomiting. Consult with a doctor immediately.

Notes for the doctor : Treat symptomatically. Do not induce vomiting because of risk

of aspiration of gastric contents into the lungs. Gastric lavage is recommended when the patient ingests large quantities of

the substance.

5. FIRE-FIGHTING MEASURES

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Suitable extinguishing

methods

Water in mist form Carbon dioxide (CO2)

Foam alcohol resistent Dry chemical powder

Extinguishing methods not: Direct water jet.

recommended

Specific dangers

: The finely dispersed particles form explosive mixtures in air, in the presence of sparks. Burning forms a thick black smoke. Inhalation of dangerous products of decomposition may cause

serious damage to health.

Protective measures of the

fire fighting team.

: The personnel involved in firefighting should wear self contained breathing apparatus with positive pressure and full

protection clothes.

Specific methods

: Evacuate and isolate the area. Approach from fire with wind at your back. Fight the fire to a secure distance. Remove the packaging of the product from the fire area if this can be made with safety. Chill sideways with water in form of fog all the closed packaging near the fire. Avoid that the resulting water from fire fighting reaches drains or waterways. Use dikes to contain this water and eliminate it according to environmental

regulations.

6. SPILL / LEAK CONTROL PROCEDURES

Personal precautions, protective equipment and emergency procedures

For the emergency service staff

: If specialized clothing is needed to combat the leak/spillage, Section 8 should be consulted. All precautions described in

the following section must be followed.

For staff who are not part of the emergency services : No action should be taken that may generate danger to people without adequate training and qualifications. Use appropriate personal protective equipment - see section 8. Evacuate surrounding areas. Isolate area and keep onlookers away. Do not touch or walk through spilled material. Eliminate all sources of ignition. Avoid breathing vapor or mist. Provide adequate ventilation if possible. Wear appropriate respiratory mask when ventilation is inadequate. In accordance with characteristics of the location and/or area and in relation to the amount of spilled/leaked product, additional emergency measures may be taken under the supervision of a trained

professional.

Environmental precautions

: Prevent spilled/leaked product from contact withsoil, waterways, drains and sewers. Inform the relevant authorities in accordance with current legislation if the product causes



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environmental damage.

Methods and materials for containment and cleaning

Large spills / leaks : Stop the leak if this can be done safely. Cover up spillage in a

> tarp to prevent the spread by wind or rain. Use antifaiscantes tools and explosion-proof equipment properly grounded to collect the product. Place the material collected in dry, clean and properly identified containers. Cap the container loosened so removing them from the spill site. Avoid formation of dust. Remove the packaging from the spill site. If there is product

disposal need refer to chapter 13

Small spills / leaks : The collected material can return to the process if you are in

favorable conditions. Otherwise should be referred for

appropriate disposal.

Dust control : Consult section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Instructions for safe treatment

: Avoid contact with eyes, skin and clothes. Do not handle the product before reading and understanding all safety precautions.Do not re-use packaging.Refer to special instructions before use. Avoid inhalation of the powder. Do not eat, drink or smoke during use.

Precautions for safe handling

: Use individual protective equipment. Environments and areas that will be used for electrostatic spraying of powder paints must provide controlled ventilation. Through controlled ventilation it must be ensured that the air in the inhalation scope is be healthy from a health point of view (see limits in Section 8). Avoid sources of ignition and dust deposition in the environment. Antistatic clothes and shoes are recommended. Emergency showers and eye wash basins must be installed in

locations of use and storage.

Fire protection : Tools that do not produce sparks should be used. Keep away

> from heat and sources of ignition.Do not smoke.Avoid accumulation of electrostatic charges. All conductive elements of the system, in contact with the product, must be electrically groundedOnly use in well-ventilated locations, to prevent

accumulation of powder in explosive concentrations.

Storage conditions

Substances to be avoid : Keep away from oxidising agents, strong acid solutions and

strong alkaline solutions.

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Storage conditions : The electrical installation must comply with NEC(National

Electrical Code) or IEC (International Electrical Commission) standards and/or those of the ABNT (Brazilian Association of Technical Standards). The floor of the storage area must be

impermeable, non-combustible.

Appropriate storage

conditions

: Store the material in covered, dry, well ventilated and identified areasStore at a temperature below 30°C.Store in a

closed container. Keep out of direct sunlight.

Inappropriate storage

conditions

: Exposed to elevated temperatures, sun and rain. Close to oxidizing agents. Close to food. Close to sources of heat and

ignition.

Materials to avoid : Do not store with explosive materials, flammableand/or toxic

gases, oxidizing, corrosive substances, or materials that may

generate spontaneous combustion.

Secure packaging materials

Recommended packaging

materials

Must be stored in plastic bags packed in cardboard boxes.

Packaging materials to be

avoided

: Glass containers.

8. EXPOSURE CONTROL - PERSONAL PROTECTION

The information in this chapter contain general guidelines. Chapter 1 should be consulted for any information on the recommended use of this product in different scenarios of exposure.

Engineering control measures

Preferably use the product in adequate application cabin. In case it is not possible, provide exhaustion/ventilation enough to keep the concentration of the agents indicated in this section under the limits of tolerance (L.T.), otherwise, use adequate respiratory protection equipment. The engineering controls should keep the concentrations of gas/vapour under the limit of LEL - Lower Explosive Limit (see section 9). Use equipment explosion proof.

Control parameters

Occupational Exposure Limits

Name	CAS No.	TLV/TWA	TLV/STEL	TLV/TETO	Source
TRIGLICIDILISOCIANU	2451-62-9	0,05 mg/m ³			ACGIH
RATO		_			

*PPM - parts of vapour or gas per million of parts of contaminated air



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**MG/m³ - miligrams per cubic meter of air.

Personal protective equipment required

Respiratory protection If the powder is above the tolerance limits (see engineering

control measures, above) a dust mask must be used, suitable for this purpose (P2 particle filter). Occasionally

other respiratory protective equipment may be used.

Hand protection Protective creams can be used to protect exposed skin

areas together with latex or nitrile gloves (never used after

the exposure has occurred).

Eye protection Use hermetic goggles to protect against powder spray.

Body and skin protection : Antistatic clothes and shoes are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Dust

State of matter Solid Color Gray

Odour Weak and distinctive

Odour limit Not applicable На Not applicable **Melting point** Not applicable **Boiling point** Not applicable : **Evaporation rate** Not applicable

Inflammation point Method: Not applicable

Upper explosive limit 70 g/m³

Lower explosive limit 40 g/m³

Vapor pressure Not applicable **Density** 1,57 g/cm³

Solubility(ies) Insoluble in water, partially soluble in some solvents and

thinners oxygen as acetone, ethyl acetate, methyl ethyl

ketone, among others.

N-octano /water partition

coefficient

Not applicable

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400 °C **Auto flammability**

Cinematic viscosity (25°C) Not applicable Vapor density Not applicable

10. STABILITY AND REACTIVITY

Reactivity Presents no reactivity at room temperature and under normal

conditions of use.

Chemical stability Stable at room temperature and under normal conditions of

Possibility of dangerous

reactions

Presents no reactivity at room temperature and under normal

conditions of use.

None when the product is stored, applied and processed correctly. Otherwise, the mixture powder air mixture could

ignite.

Need to add additives and

inhibitors

Not necessary.

Conditions to avoid Extreme heat and open flame.

Incompatible materials Do not store with explosive materials, flammableand/or toxic

gases, oxidizing, corrosive substances, or materials that may

generate spontaneous combustion.

Dangerous products of

decomposition

High temperatures (above 300°C) could result in dangerous products of decomposition, such as carbon dioxide and smoke. Triglycidylisocyanurate can polymerize under the effect of strong heat, exceeding 120°C for more than 12 hours, or under the influence of catalysts. Decompose when burning, producing toxic fumes comprising nitrogen oxides. Thawed rapidly reacts with primary and secondary amines,

carboxylic acids and anhydrides, thiols, phenols and alcohols.

11. TOXICOLOGICAL INFORMATION

Components

TRIGLICIDILISOCIANURATO

Acute toxicity by oral

use

: Test species DL50

Data not available.

Observations

Acute toxicity by : Test species Rat

inhalation 2.000 mg/l DL50



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Observations

Acute toxicity by
cutaneous use: Test species
DL50Rabbit
0,5 mg/kg

Observations

Acute toxicity (other : Test species

methods of DL50 administration) LC50

Non-standard unit value

Corrosion/irritation of

skin

: Data not available.

Serious eye damage/eye

irritation

: Category 1

Respiratory or dermal

sensitivity

: Category 1

Mutageneses : Chemicals known to induce heritable mutations in human

germ cells.

Carcinogenicity : Data not available.

Toxic effects for reproduction

: Data not available.

Specific target organ toxicity (STOT) - single

exposure

: Data not available.

Specific target organ toxicity (STOT) - repeat

exposure

: Substance based on evidence from studies in experimental animals can probably present a potential to be harmful to

Data not available.

human health on repeated exposure

Acute toxicity

Powder coatings are generally inert dusts. No data are available on acute toxicity for the product. Powder coatings can cause irritation located in the skin , especially in skin folds or use of tight clothes . People allergic or respiratory problems should not work in the powder application. Repeated or prolonged contact with the product may cause removal of natural fat from the skin , resulting in non allergic contact dermatitis and skin absorption . The product that comes into contact with the eyes can cause irritation.

Chronic toxicity

On the skin , prolonged contact leads to degreasing , may cause fissures , dryness , dermatitis and eczema. The respiratory system may be affected by chronic bronchitis and decreased respiratory volume. Exposure of pregnant women to concentrations above the limit can present threat of abortion. In contact with eyes, do not rub , wash with running water for at the least 15 minutes.

Not classified in terms of toxicity based on the data available.

12. ECOLOGICAL INFORMATION

Stability in soil : Data not available.



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Шей

Elimination of chemical

physical ability

: Not considered potentially bioaccumulative.

Other toxicological

observations

Data not available.

Ecotoxicity : Detrimental to the flora.

Detrimental to the fauna

Contaminates the ground water.

13. DIOSPOSAL AND TREATMENT CONSIDERATIONS

Recommended methods for final disposal

Product : Class II Waste - Dispose of in industrial landfill or a facility

authorized for recycling in accordance with federal, state

or local regulations.

Waste : Class II Waste - Dispose of in industrial landfill or a facility

authorized for recycling in accordance with federal, state

or local regulations.

Used packaging : Clean packaging should be sent for recycling. Packaging with

class II waste should be disposed of in industrial landfill or a facility authorized for recycling in accordance with federal,

state or local regulations

14. TRANSPORTATION INFORMATION

fNational and international regulations

Land : Not classified as a dangerous good under transport regulations.

Shipping : Not classified as a dangerous good under transport regulations.

Air transport : Not classified as a dangerous good under transport regulations.

15. REGULATORY INFORMATION

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This MSDS (Material Safety Data Sheet) was generated according to the criteria of NBR 14725/2014. (Brazilian standard that defines the GHS).

Specific Regulations for the Chemical Product.	Federal Decree No. 2657, July 3rd , 1998.		
	Ordinance No. 229, May 24th, 2011 - Changes to Regulatory Standard No. 26.		
	ABNT NBR 14725: 2014 - valid from 19/12/2014 -		
	Amendment 1 (19/11/2014).		
	Law No. 12305, August 2nd 2010 (Solid Waste National Policy).		
	Decree No. 7404, December 23rd , 2010.		
	Resolution ANTT N° 5.232, December 14th 2016.		

16. ADDITIONAL INFORMATION

Acronyms Used:

Legenda:

CAS	Chemical Abstract Service
VO	Organic Vapors
NEC	National Eletrical code/Código Nacional de Eletricidade
IEC:	International Eletrical Commision
ABNT	Brazilian Association of Technical Standards
ACGIH	American Conference of Governmental Industrial Hygienists
TLV	Threshold Limit Values
TLV/TWA	Time Weighted Average
TLV/STEL	Short Term Exposure Limit
TLC/C:	Tolerance Limit - Ceiling Value
EPI:	Individual Protective Equipment
CA	Approval Certificate
PPRA	Environmental Risk Prevention Program
NR	Regulatory Standard
NFPA	National Fire Protection Agency
mmHg	Millimeters of mercury - pressure unit
DL50	Lethal Dose average
CL50	Lethal Concentration average
ppm	Parts per million
N.d	Not available



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A+B

Viscosity of the mixture of component A + component B

Important information, but not specifically described in the previous sections:

This MSDS was prepared based on current knowledge about the handling of the product under normal conditions of use, according to the application specified on the packaging and recommended usage in Section 1 of this MSDS. Any other use of the product involving its combination with other materials, as well as forms of use different from those indicated, are the user's responsibility. The company advises that the handling of any chemical substance requires prior knowledge of its hazards by the user. In the workplace it is responsibility of the company user of the product to provide training of its employees and contractors about the possible risks arising from exposure to the chemical.

We reserve the right to change the information contained in this document without prior notice, due to the improvement and continuous evolution of the product and technical knowledge.

Vertical lines in the left hand margin indicate changes from the current version