Safety Data Sheet

According to ABNT NBR 14725:2023 Issue date: 9/11/2023 Revision date: 1/19/2024 SAP export date: 1/22/2024 Version: 3.0



SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture

Trade name : POLITHERM 66 W-ECO SM WHITE 66450 BR

Product code : 10007312 Product group : Trade product

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Electrostatic powder paint for surface coating.

1.4. Supplier's details

PAUMAR S.A. INDÚSTRIA E COMÉRCIO - GRUPO WEG

Rodovia BR 280 - km 50 CEP 89270-000, Guaramirim - Santa Catarina - Brasil

1.5. Emergency phone number

Emergency number

SPILL/TOXICOLOGY WGRA 0800 720 8000 **CHEMTREC** international number + 1 703-741-5970

Country	City	Local Number	Toll-Free Number
Austria	Vienna	43-13649237	
China		4001-204937	
France		33-975181407	
Germany	Frankfurt	49-69643508409	0800-181-7059
India		000-800-100-7141	000-800-100-7141
Italy	Milan	39-0245557031	800-789-767
Italy		800-789-767	
Netherlands		31-858880596	
Russia		8-800-100-6346	8-800-100-6346
South Africa		0-800-983-611	0-800-983-611
United Kingdom	London	44-870-8200418	
United Kingdom		44-2038073798	
South korea			080-880-0468
Japan	tokyo		0800-300-5842

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SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to GHS BR (ABNT NBR 14725:2023)

Acute toxicity (oral), Category 5 Serious eye damage/eye irritation, Category 1 Skin sensitisation, Category 1 Germ cell mutagenicity, Category 1B

2.2. GHS Label elements, including precautionary statements

GHS BR labelling

Hazard pictograms (GHS BR)







Signal word (GHS BR)

Hazard statements (GHS BR)

: Danger

H303 - May be harmful if swallowed

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H340 - May cause genetic defects.

Precautionary statements (GHS BR)

: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P261 - Avoid breathing dust, fume, gas, mist, vapours or spray.

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

 ${\tt P280 - Wear \ protective \ gloves, \ protective \ clothing, \ eye \ protection, \ face \ protection \ and \ }$

hearing protection.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or a doctor if you feel unwell.

 $\ensuremath{\mathsf{P302}\text{+}\mathsf{P352}}$ - 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: Get medical advice or attention.

P310 - Immediately call a POISON CENTER or a doctor.

P321 - Specific treatment (see supplemental first aid instruction on this label).

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

P362+P364 - Take off contaminated clothing and wash it before reuse.

P405 - Store locked up.

P501 - Dispose of contents and/or container to hazardous or special waste collection point,

in accordance with local, regional, national and/or international regulations.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	GHS Product identifier	Conc.
TRIGLYCIDYL ISOCYANURATE	CAS-No.: 2451-62-9	1 – 5

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SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. People with over sensibility

problems are not allowed to work or be exposed to the product.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash

immediately with plenty of water. If skin irritation or rash occurs: Get medical

advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

First-aid measures after ingestion : If you feel unwell, seek medical advice.

4.2. Most important symptoms and effects, acute and delayed

Symptoms/effects : May cause an allergic skin reaction. Causes serious eye damage.

Symptoms/effects after inhalation : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat

with constricting sensation of the larynx and difficulty in breathing.

Symptoms/effects after skin contact : Cracking of the skin. Prolonged or repeated contact may cause skin to become dry. Causes

severe burns. irritation (itching, redness, blistering).

Symptoms/effects after eye contact : Causes serious eye damage. stinging. redness, itching, tears.

Symptoms/effects after ingestion : May be harmful if swallowed. Ingestion may cause nausea and vomiting. Burns or irritation

of the linings of the mouth, throat, and gastrointestinal tract.

Chronic symptoms : May cause heritable genetic damage.

4.3. Indication of any immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. earth, sand, dry chemical powder or foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : In case of fire and/or explosion do not breathe fumes.

Explosion hazard : No direct explosion hazard.

5.3. Special protective actions for fire-fighters

Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Do not enter fire area without

proper protective equipment, including respiratory protection.

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

Other information : In case of fire, corrosive and harmful gases come free.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Stop leak if safe to do so. Notify authorities if product

enters sewers or public waters.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Evacuate area. Only qualified personnel equipped with suitable protective equipment may

intervene. Notify fire brigade and environmental authorities.

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6.1.2. For emergency responders

Protective equipment : Self-contained breathing apparatus. Total impervious protective suits, gloves, and boots

must be worn to prevent any contact with the product. Corrosionproof suit. Equip cleanup

crew with proper protection.

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Do not allow to enter drains or water courses.

6.3. Methods and materials for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.

Stop leak without risks if possible.

Methods for cleaning up : Clear up rapidly by scoop or vacuum. Clean up immediately by sweeping or vacuum. Take

up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use. Precautions for safe handling : Obtain special instructions before use. Take all necessary technical measures to avoid or

minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. When heated, material emits highly irritating vapours, affecting the eyes. Keep only in original container. Do not handle until all

safety precautions have been read and understood.

Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Always wash

hands after handling the product. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store locked up.

Storage conditions : Keep cool. Protect from sunlight.

Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

TRIGLYCIDYL ISOCYANURATE (2451-62-9)		
USA - ACGIH - Occupational Exposure Limits		
Local name	1,3,5-Triglycidyl-s-triazinetrione	
ACGIH OEL TWA	0.05 mg/m³	
Remark (ACGIH)	TLV® Basis: Male repro dam	
Regulatory reference	ACGIH 2023	

8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate

vicinity of any potential exposure.

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8.3. Individual protection measures

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Nitrile rubber gloves. Protective gloves made of PVC

Eye protection:

Wear closed safety glasses

Skin and body protection:

Long sleeved protective clothing. Chemical resistant apron. Wear impervious rubber safety shoes

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Personal protective equipment symbol(s):



Density









SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Solid

Appearance : Dusty powder. Colour : white Odour slight Odour threshold Not available : Not applicable Melting point : Not available Freezing point : Not available Boiling point : Not available Flash point : Not applicable Relative evaporation rate (butylacetate=1) : Not available Flammability : Not available **Explosive limits** $: 50 - 70 \text{ g/m}^3$ Vapour pressure : Not available Relative vapour density at 20°C : Not applicable Relative density : Not available

Solubility : Insoluble in water, partially soluble in some solvents and thinners oxygen as acetone, ethyl

: 1.51 g/cm³

acetate, methyl ethyl, ketone, among others.

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Particle size distribution : Not available Particle shape : Not available Particle aspect ratio Not available Particle specific surface area : Not available

9.2. Data relevant with regard to physical hazard classes

No additional information available

9.3. Further safety characteristics

No additional information available

SECTION 10: Stability and reactivity

Chemical stability Stable under normal conditions of use.

Conditions to avoid Extremely high or low temperatures. Keep away from heat, hot surfaces, sparks, open

flames and other ignition sources. No smoking

Hazardous decomposition products On exposure to high temperature, may decompose, releasing corrosive gases.

Incompatible materials

: None under normal use.

Possibility of hazardous reactions

The product is non-reactive under normal conditions of use, storage and transport. Reactivity

: No additional information available Handling temperature

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : May be harmful if swallowed.

Acute toxicity (dermal) Not available Acute toxicity (inhalation) Not available

POLITHERM 66 W-ECO SM WHITE 66450 BR

ATE BR (oral) 2119.992 mg/kg bodyweight

Skin corrosion/irritation : Not available

pH: Not applicable

Serious eye damage/irritation : Causes serious eye damage.

pH: Not applicable

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity : Not available Reproductive toxicity : Not available STOT-single exposure : Not available : Not available STOT-repeated exposure

TRIGLYCIDYL ISOCYANURATE (2451-62-9)

May cause damage to organs through prolonged or repeated exposure. STOT-repeated exposure

Aspiration hazard Not available

POLITHERM 66 W-ECO SM WHITE 66450 BR

Not applicable Viscosity, kinematic

11.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : May cause an allergic skin reaction. Causes serious eye damage.

Symptoms/effects after inhalation May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat

with constricting sensation of the larynx and difficulty in breathing.

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Symptoms/effects after eye contact

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Symptoms/effects after skin contact : Cracking of the skin. Prolonged or repeated contact may cause skin to become dry. Causes

severe burns. irritation (itching, redness, blistering).

Symptoms/effects after ingestion May be harmful if swallowed. Ingestion may cause nausea and vomiting. Burns or irritation

of the linings of the mouth, throat, and gastrointestinal tract.

Causes serious eye damage. stinging. redness, itching, tears.

Chronic symptoms : May cause heritable genetic damage.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term

(acute)

Hazardous to the aquatic environment, long-term

(chronic)

: Not available

: Not classified.

12.2. Persistence and degradability

POLITHERM 66 W-ECO SM WHITE 66450 BR		
Persistence and degradability Not rapidly degradable		
TRIGLYCIDYL ISOCYANURATE (2451-62-9)		
Persistence and degradability	Not rapidly degradable	

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Hazardous to the ozone layer : Not available

Other adverse effects : May cause pH changes in aqueous ecological systems. Before neutralisation, the product

may represent a danger to aquatic organisms.

SECTION 13: Disposal considerations

Regional waste regulation : Law No. 12.305 on the National Policy on Solid Waste Management, 02 August 2010.

Waste treatment methods Must follow special treatment according to local regulation. Sewage disposal recommendations Disposal must be done according to official regulations.

Comply with applicable regulations for solid waste disposal. Disposal must be done Product/Packaging disposal recommendations

according to official regulations.

Additional information : Do not re-use empty containers.

SECTION 14: Transport information

14.1 National and international Regulations

In accordance with IMDG / IATA / ANTT

ANTT	IMDG	IATA
UN number		
Not applicable	Not applicable	Not applicable

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UN Proper Shipping Name			
Not applicable	Not applicable	Not applicable	
Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	
Danger labels			
Not applicable	Not applicable	Not applicable	
Subsidiary risk			
Not applicable	Not applicable	Not applicable	
Risk Number			
Not applicable	Not applicable	Not applicable	
Packing group			
Not applicable	Not applicable	Not applicable	
Special provisions			
Not applicable	Not applicable	Not applicable	
Dangerous for the environment			
No	Not applicable	Not applicable	

14.2 Other informations

No additional information available

SECTION 15: Regulatory information

15.1. National regulations

Brazil Local Regulations

: Standard ABNT NBR 14725.

Federal Decree no. 10.088, of 5 November 2019 – Promulgates Convention no. 170 of the WLO, relating to Safety in the Use of Chemicals in the Workplace, ratified by the Federative Republic of Brazil.

Ministerial Order no. 2.770, of 5 September 2022 – Approves the new wording of Regulatory Standard No. 26

Federal Decree no. 96.044, of 18 May 1988 - Approves Regulations for Road Transportation of Hazardous Materials

Resolution no. 5998, of November 3, 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.

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SECTION 16: Other information

Abbreviations and acronyms

: CAS-No. - Chemical Abstract Service number

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

BCF - Bioconcentration factor

EC50 - Median effective concentration

LC50 - Median lethal concentration

VOC - Volatile Organic Compounds

LD50 - Median lethal dose

DMEL - Derived Minimal Effect level

DNEL - Derived-No Effect Level

COD - Chemical oxygen demand (COD)

ATE - Acute Toxicity Estimate

IMDG - International Maritime Dangerous Goods

IATA - International Air Transport Association

EC-No. - European Community number

vPvB - Very Persistent and Very Bioaccumulative

WGK - Water Hazard Class

IOELV - Indicative Occupational Exposure Limit Value

BLV - Biological limit value

TRGS - Technical Rules for Hazardous Substances

TI M - Median Tolerance Limit

IARC - International Agency for Research on Cancer

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.