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1 **SECTION 1 Identification of the substance/mixture and of the company**

1.1. **Product identifier**

Substance name: Hydrocarbon resin (indene-styrene C9-C10 type)

Trade names: H90 hydrocarbon resin
H105 hydrocarbon resin
H117 hydrocarbon resin

CAS: 64742-90-1

EC: 265-193-8

REACH 01-2119485585-24-0029

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

Identified uses

The product is intended to manufacture magnesite and dolomite refractory products, moulding sands in foundries, manufacture of paints and varnishes. To be used as an additive for bitumens and insulating compounds; plasticizer of rubber compounds.

Uses advised against: none

1.3. **Details of the supplier of the safety data sheet**

WARTER Sp. z o.o.

Branch in Kędzierzyn-Koźle

ul. Szkolna 15, 47-225 Kędzierzyn-Koźle

Contact regarding the safety data sheet: biuro.kk@warter.pl

1.4. **Emergency telephone number**

Emergency number 112


2 **SECTION 2 HAZARDS IDENTIFICATION**

2.1. **Classification of the substance or mixture**

The product does not meet the criteria for classification according to the applicable regulations (Regulation 1272/2008 as amended).

Adverse effects on human health:

Irritation, redness, tearing may occur with significant concentrations of dust or direct contact with the eyes. Skin contact may cause irritation, itching, local redness. Long-term inhalation of dust may cause

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irritation of the respiratory system, cough. Irritation of the gastrointestinal tract, vomiting and diarrhoea can occur after ingestion of large quantities of the product.

Environmental effects:

When used correctly, it poses no risk to the environment.

Effects related to physical and chemical properties:

Hazardous effects related to physicochemical properties are not known.

2.2. Label elements

Pictograms Not required.

Signal word: Not required.

Hazard statements: Not required.

Precautionary statements: Not required.

2.3. Other hazards

The substance does not meet the criteria for PBT or vPvB according to Annex XIII of the Regulation (EC) 1907/2006. The substance has not been included in the list established under Article 59(1) as having endocrine-disrupting properties. Is not an endocrine disruptor according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

3 SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

UVCB substance

Residues (petroleum), steam-cracked 100%, CAS 64742-90-1, WE 265-193-8

3.2. Mixtures

Not applicable

4 SECTION 4 FIRST AID MEASURES


4.1. Description of first aid measures

Inhalation of dust

Take the harmed person out of the contaminated area into the fresh air. Provide calm environment and comfort. If breathing is difficult, administer oxygen. Apply artificial respiration if the injured person is not breathing.

Ingestion:

Rinse the mouth. Do not induce vomiting. Give 0.5 l of lukewarm water to drink. Contact the doctor if needed.

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Contact with the skin

Remove contaminated clothing. Wash contaminated skin thoroughly with running water and soap. In the event of burns from a hot product, do not remove clothing from the burned area of the body. For minor burns, cool under a strong jet of cold water.

Contact with the eyes

Rinse immediately with plenty of lukewarm water, preferably running water, for at least 15 minutes. Remove contact lenses. Avoid strong jets of water due to the risk of mechanical damage to the cornea.

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

Irritation, redness, tearing may occur with significant concentrations of dust or direct contact with the eyes. Skin contact may cause irritation, itching, local redness. Long-term inhalation of dust may cause irritation of the respiratory system, cough. Irritation of the gastrointestinal tract, vomiting and diarrhoea can occur after ingestion of large quantities of the product.

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

Use symptomatic treatment. Make the safety data sheet available to the first aider.

5 SECTION 5 FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: water spray, foam, extinguishing powder, carbon dioxide. Unsuitable extinguishing media: solid water jets.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products are carbon monoxide and carbon dioxide. During a fire, thick, black, biting and toxic smoke is emitted.

5.3. Advice for fire-fighters

Small fires – extinguish with powder or snow extinguisher

Large fires – extinguish with foam or diffused water currents

Use respiratory isolation devices if it is not possible to rule out danger. Use fire fighting clothing as primary protection.


Do not allow fire extinguishing water to enter the drains and watercourses.

6 SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For persons not belonging to the assistance personnel

Remove persons not involved in the clean-up from the affected area. Ventilate the affected area. Wear appropriate protective equipment (including personal protective equipment as referred to in Section 8 of the safety data sheet). Remove ignition sources. Avoid direct contact with skin and eyes.

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6.1.2. For persons providing assistance

Wear breathing apparatus when exposed to dust or fumes of molten substance.

6.2. Environmental precautions

Prevent the product from getting into drainage manholes and waterways.

6.3. Methods and material for containment and cleaning up

Secure the drain pits. Put the damaged packaging in a replacement packaging. Collect the product mechanically, avoiding raising dust, transfer it to sealed containers and dispose of it. Rinse contaminated area with plenty of water.

6.4. Reference to other sections

Dispose of as recommended in Section 13.

7 SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Do not eat, do not drink at the place of use. Work in well-ventilated areas (general and local ventilation). Wear protective clothing. Comply with the prohibition of smoking and using open fire. Wash your hands after finishing work.

7.2. Conditions for safe storage, including any incompatibilities

Store in covered, dry and airy rooms, away from heat sources and at temperatures up to 25°C. The product can be stored for up to 18 months. Under the influence of higher temperatures or direct sunlight, the product may become compacted. Observe the prohibition of smoking, the use of open flames in the warehouse area. The stated storage conditions also apply to empty, not cleaned packages. Persons who come into contact with the product should be trained in the physicochemical properties of the substance and the resulting risks.

7.3. Specific end use(s)

See item 1.2. of the Material Safety Data Sheet

8 SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION


8.1. Control parameters

There are no hygienic norms (TLV, TLV-STEL and TLV-CL).

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide general and local ventilation. Maintain cleanliness and order at workstations.

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8.2.2. Individual protective measures such as personal protective equipment

Hand protection: For solids (granules) – work gloves made of strong material, well-fitting to the hand. There are no specific requirements for the type of material they are made of. Wear heat-resistant gloves when loading and unloading hot, liquid product.

Eye protection: Safety glasses with side shields.

Respiratory protection: Not required under normal operating conditions with sufficient ventilation. If ventilation is inadequate, use masks with type A or P2 absorbers or breathing apparatuses.

Skin and body protection: Workwear consisting of a sweatshirt fastened to the neck and cuffs fastened, trousers over work footwear. For solids (granules), there are no specific requirements for the type of material of clothing and shoes. For liquid product, use heat-resistant footwear with high uppers. Trouser legs should cover the uppers of shoes to prevent hot product from getting inside the shoes.

Measures to ensure proper hygiene

Observe the basic rules of hygiene: do not eat, drink or smoke at the workplace. Replace dirty clothes with clean ones. Always wash your hands with soap and water after finishing work.


8.2.3. Environmental exposure controls

Prevent from entering watercourses.

9 SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

- a) State: Solid in the form of fine granules
- b) Colour: Brown to dark brown
- c) Odour: Odourless
- d) Melting point/Freezing point: >100°C
- e) Boiling point or initial boiling point and boiling range: >350°C
- f) Flammability: No data available
- g) Lower and upper explosion limits: No data available
- h) Flash point: 190–204°C;
- i) Auto-ignition temperature: >500°C
- j) Decomposition temperature: No data available.
- k) pH value: Not applicable
- l) Kinematic viscosity: Not applicable (solid)
- m) Solubility: Not soluble in water

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- n) Partition coefficient: n-octanol/water (value of the log ratio): No data available
- o) Vapour pressure: Not applicable
- p) Density or relative density: 1.1600 at 20°C
- q) Relative vapour density: Not applicable
- r) Particle characteristics: No data available


9.2. Other information

9.2.1. Information on physical risk classes

- a) Explosive properties: Not applicable
- b) Flammable gases: Not applicable
- c) Aerosols: Not applicable
- d) Oxidising gases: Not applicable
- e) Gases under pressure: Not applicable
- f) Flammable liquids: Not applicable
- g) Flammable solids: Not applicable
- h) Self-reactive substances and mixtures: Not applicable
- i) Pyrophoric liquids: Not applicable
- j) Pyrophoric solids: Not applicable
- k) Self-heating substances and mixtures: Not applicable
- l) Substances and mixtures that emit flammable gases when in contact with water: Not applicable
- m) Liquid oxidising substances: Not applicable
- n) Oxidising solids: Not applicable
- o) Organic peroxides: Not applicable
- p) Metal corrosive substances: Not applicable
- q) Desensitised explosives: Not applicable

9.2.2. Inne właściwości bezpieczeństwa

- a) Mechanical sensitivity: No data available
- b) Self-accelerating polymerisation temperature: No data available
- c) Formation of an explosive dust/air mixture: No data available
- d) Acid/alkaline reserve: No data available
- e) Evaporation rate: Not applicable
- f) Miscibility: No data available
- g) Conductivity: No data available
- h) Corrosive effect: No data available
- i) Gas group: Not applicable
- j) Redox potential: No data available

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k) Radical formation potential: No data available

l) Photocatalytic properties: No data available

10 SECTION 10 Stability and reactivity

10.1. Reactivity

Under proper storage and handling conditions – no reactivity.

10.2. Chemical stability

The substance is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

High temperatures, hot surfaces, exposure to the sun. Higher temperatures or direct sunlight may cause the product to clump.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Not known.

11 SECTION 11 Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/Irritation: Based on the available data, the classification criteria are not met.

Serious damage to eyes/eye irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on the available data, the classification criteria are not met.


Carcinogenicity: Based on the available data, the classification criteria are not met.

Reproductive toxicity: Based on the available data, the classification criteria are not met.

Target organ toxicity – single exposure: Based on available data, the classification criteria are not met.

Target organ toxicity – repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on the available data, the classification criteria are not met.

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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No endocrine disrupting properties

11.2.2. Other information

No data available.

12 SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

Based on the available data, the classification criteria are not met.

12.2. Persistence and degradability

It does not decompose.

12.3. Bioaccumulative potential

Octanol/water partition coefficient (Kow): No available data. Bioconcentration factor (BCF): No data available.

12.4. Mobility in soil

Not specified.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB according to Annex XIII.

12.6. Endocrine disrupting properties

The product does not have endocrine-disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

No data available.


13 SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

A substance that is not suitable for use in any form can be considered as waste. The waste must be handed over to a specialist company for disposal. Do not dispose the product with municipal waste. Avoid contamination of surface and ground water.

Special precautions:

Dispose of the product and its packaging safely. Care should be taken when handling emptied containers that have not been cleaned or thoroughly rinsed.

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14 SECTION 14 TRANSPORT INFORMATION

ADR/RID, IMDG, IATA

14.1. UN number or identification number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

The substance does not pose a threat to the environment according to the criteria of the UN Model Regulations.

14.6. Special precautions for user

No requirements.


14.7. Maritime transport in bulk in accordance with IMO instruments

Not applicable.

15 SECTION 15 REGULATORY INFORMATION

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

- Act of 25 February 2011 on the Chemical Substances and Their Mixtures (Dz. U. [Journal of Laws] of 2011, No. 63, item 322);
- REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008
- on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006 (Official Journal of the European Union series L No. 353 of 31 December 2008), as amended;
- Act of 30 August 2022 on the Conformity Assessment System (Dz. U. [Journal of Laws] of 2002, No. 166, item 1360), as amended;
- Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the Exposure Limit Values and Intensity of Harmful Factors at Work (Dz. U. [Journal of Laws] of 2018, item 1286), as amended;
- Regulation of the Minister of Health of 2 February 2011 on Tests and Measurements of Harmful Factors at Work (Dz. U. [Journal of Laws] of 2011, No. 33, item 166), as amended;

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- Regulation of the Minister of Health of 30 December 2004 on Occupational Health and Safety Regulations Related to the Presence of Chemical Agents at Work (Dz. U. [Journal of Laws] of 2005, No. 11, item 86), as amended;
- Government Statement of 26 July 2005 on the entry into force of the amendments to Annexes A and B of the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) issued at Geneva on 30 September 1957 (Dz. U. [Journal of Laws] of 2005, No. 178, item 1481), as amended;
- Waste Act of 14 December 2012 (Dz. U. [Journal of Laws] of 2014, item 21), as amended;
- Act of 13 June 2013 on Packaging and Packaging Waste Management (Dz. U. [Journal of Laws] of 2014, item 888), as amended;
- Waste Catalogue Regulation of the Minister of the Climate of 2 January 2020 (Dz. U. [Journal of Laws], item 10).
- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union series L No. 396 of 30 December 2006 as amended).

15.2. Chemical safety assessment

A chemical safety report has been prepared.

16 SECTION 16 OTHER INFORMATION

16.1. Chemical identification of the product:

Hydrocarbon resin is a mixture of copolymers, especially the series of indene and styrene, and chemically unidentified dienes.

16.1. Abbreviations and acronyms used in the safety data sheet

TLV – Occupational exposure limit value – the maximum permissible weighted average concentration, the exposure of which to a worker during an 8-hour working period, throughout his/her working life, should not cause any change in his state of health and that of his/her future generations.


TLV-STEL – threshold limit value-short-term exposure limit – the maximum allowable short-term concentration specified as an average value, which should not cause any adverse effects on the health of a worker and his/her future generations if it lasts for not more than 30 minutes during a work shift.

TLV-CL – concentration which, because of the risk to health or life of a worker, must not be exceeded at any time in the working environment.

vPvB – Very Persistent and very Bioaccumulative

PBT – Persistent, Bioaccumulative and Toxic

BCF – Bioconcentration Factor – the ratio of the concentration of a substance in an organism to its concentration in water at equilibrium

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MTD – Maximum tolerated dose

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

RID – Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG – International Maritime Dangerous Goods Code

IATA – International Air Transport Association

CAS – number assigned to the chemical in the Chemical Abstracts Service list

WE – reference number used in the European Union to identify dangerous substances, in particular those registered in the European Inventory of Existing Commercial Chemical Substances (EINECS), or European List of Notified Chemical Substances (ELINCS) or the list of chemicals contained in the publication "No-longer polymers"

16.2. Changes made to the previous version of the safety data sheet

Bringing into line with the requirements of EU Regulation 2020/878 – items 2.3., 11.2.1. and 12.6., updating the legal acts in section 15.1