



## SAFETY DATA SHEET

According to Regulation EC No 1907/2006 - REACH and Regulation EC No 1272/2008 - CLP

### REPSOL HEALTHCARE HVA08G

#### SECTION 1. Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

<b>Commercial name</b>	REPSOL HEALTHCARE HVA08G
<b>Chemical name</b>	Ethylene vinyl acetate copolymer.
<b>Synonyms</b>	EVA copolymer.
<b>CAS</b>	N/A
<b>EC (EINECS)</b>	N/A
<b>Index No ( annex VI</b>	
<b>Regulation EC No</b>	N/A
<b>1272/2008)</b>	
<b>Registration Number</b>	N/A
<b>Authoritation Number</b>	N/A

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

Consult technical information.

##### 1.3 Details of the supplier of the safety data sheet

<b>Company</b>	REPSOL QUÍMICA, S.A.
<b>Address</b>	Méndez Álvaro, 44 28045 - MADRID, Spain
<b>Phone</b>	+34 917538000/+34 917538100 Puertollano - Tel#: +34 926419500.
<b>Fax</b>	+34 902303145
<b>e-mail address</b>	SDSChemicals@repsol.com

##### 1.4 Emergency telephone number

Carechem 24: +44 (0) 1235 239 670  
Carechem 24: +1 215 207 0061  
Carechem 24: 001866 928 0789

#### SECTION 2. Hazards identification

<b>2.1 Classification of the substance or mixture</b>	<b>2.2 Label elements</b>
<b>CLASSIFICATION</b> <b>Reg.(CE)1272/2008(CLP)</b>	<b>LABELLING</b>

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N/A	<b>Pictograms</b>	N/A
	N/A	
	<b>Signal word</b>	N/A
	<b>Hazard statements</b>	N/A
	<b>Supplemental information</b>	N/A
	<b>Precautionary statements</b>	N/A

**2.3 Supplementary elements which must be displayed on the labels**  
 || N/A

**2.4 Special packaging requirements**  
**Containers which must be provided with a child safety seal:**  
 || Not applicable  
**Tactile hazard warning:**  
 || Not applicable

**2.5 Other hazards**  
 Results of the assessment of PBT and vPvB in the product, in accordance with the criteria set out in Annex XIII of REACH, can be found in Section 12.5 of this MSDS.  
 Please refer to Sections 5, 6 and 7 of this MSDS for information on other dangers, different from classification dangers but which may contribute to the overall hazards of the product.

**SECTION 3. Composition/information on ingredients**

Ethylene vinyl acetate copolymer with additives.

<b>Dangerous components Reg. (CE) 1272/2008 (CLP)</b>	<b>Concentration (%)</b>	<b>Hazard statements</b>
Vinyl acetate <b>CAS:</b> 108-05-4 <b>EC (EINECS):</b> 203-545-4 <b>Registration Number:</b> 01-2119471301-50-XXXX	<=0,02	H225, H332, H335, H351, H412

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

**Inhalation:** Move the person to fresh air.  
 Administer oxygen if necessary.

**Ingestion/Aspiration:** It is not frequent.  
 Intestinal absorption is very low.

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**Contact skin:** In case of burns from a melted product, quickly cool the material with abundant water.

Do not remove the solidified product off burn without medical assistance.

See a doctor and treat as a normal burn.

**Contact eyes:** In case of burns from a melted product, quickly cool the material with abundant water.

Do not remove the solidified product off burn without medical assistance.

See a doctor and treat as a normal burn.

In case of contact with eyes wash with plenty of water if necessary, keeping your eyes open for at least 15 minutes.

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

**Inhalation:** Vapors from melted product may cause irritation to the respiratory tract and may cause dizziness and breathing difficulties.

**Ingestion/Aspiration:** This type of exposure is easy to prevent and infrequent.

**Contact skin:** Exposure to melted product may produce burns.

**Contact eyes:** Exposure to melted product may produce burns.

Vapors from melted product may be irritating to the eyes.

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

Seek medical care.

## SECTION 5. Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:** AFFF foam, dry chemicals powder, CO<sub>2</sub>, and water spray.

**Unsuitable extinguishing media:** Water applied directly in jet stream may disperse the product.

### 5.2. Special hazards arising from the substance or mixture

**Combustion products:** Complete combustion: CO<sub>2</sub>, and H<sub>2</sub>O. Incomplete combustion: CO,

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soot, aldehydes, ketones, hydrocarbons and volatile fatty acids.

**Special measures:** N/A

**Special hazards:** Molten product may spread fire. Fire may produce irritating gases.

### 5.3. Advice for firefighters:

Clothing and gloves resistant to fire and SCBA.

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Avoid contact with melted product and inhalation of vapors.  
Keep unnecessary people away.

**Personal protection:** Wear safety goggles and appropriate gloves to avoid contact with melted product.

If vapors from melted product are present, respiratory protective mask is recommended.

### 6.2. Environmental precautions

Avoid product dispersion and discharges into sewer, waterways or drains.

### 6.3. Methods and material for containment and cleaning up

To prevent slipping and sliding, spills should be collected with shovels or other means and placed into suitable containers.

### 6.4. Reference to other sections

Section 8 contains more detailed advice on personal protective equipment and section 13 on waste disposal.

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

**General precautions:** Wear appropriate protective clothing.

Do not smoke, eat, or drink while handling product.

Eliminate all ignition sources from areas where the material is handled or used, especially in presence of dusty atmospheres.

Pneumatic transport equipment should be properly grounded (static charge accumulation by friction).

**Specific conditions:** Good local exhaust ventilation system.

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Protective mask in presence of vapors from melted product.

### 7.2. Conditions for safe storage, including any incompatibilities

**Temperature and decomposition products:** The product is stable under normal conditions.

**Dangerous reactions:** N/A

**Storage conditions:** Storage at room temperature and protect it from sunlight in cool and well ventilated places.

Properly labeled and sealed containers.

Copolymer has a marked tendency to build up static charge when transferred by pneumatic transport, so proper grounding should be ensured.

Never weld in storage areas without proper precautions.

If product is subjected to ultraviolet radiation in the presence of oxygen without protection, it suffers a slow degradation.

**Incompatible materials:** Oxidant materials, aromatic and aliphatic hydrocarbons, chloride solvents.

### 7.3. Specific end use(s)

See section 1 or exposure scenario

## SECTION 8. Exposure controls/personal protection

### 8.1 Control parameters

Vinyl acetate (N <sup>o</sup> CAS: 108-05-4): INSHT (Spain):VLA-ED : 5 ppm (17 ,6 mg/m <sup>3</sup> ) / VLA-EC : 10 ppm (35,2 mg/m <sup>3</sup> ) ACGIH (USA): TLV-TWA : 10 ppm / TLV/STEL: 15 ppm.
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#### DNEL

CAS: 108-05-4 DN(M)ELs for workers Acute exposure - systemic effects, Inhalation (mg/m <sup>3</sup> ): 35.2 Acute exposure - local effects, Inhalation (mg/m <sup>3</sup> ): 35.2 Long-term exposure - systemic effects, Dermal (mg/kg bw /day): 0.42 Long-term exposure - systemic effects, Inhalation (mg/m <sup>3</sup> ): 17.6 Long-term exposure - local effects, Inhalation (mg/m <sup>3</sup> ): 17.6
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#### PNEC

CAS: 108-05-4 PNEC water PNEC aqua - freshwater (mg/L): 0.016 PNEC aqua - marine water (mg/L): 0.0016 PNEC aqua - intermittent releases (mg/L): 0.126
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PNEC sediment  
PNEC sediment – freshwater ( mg/kg d.w.): 0.067

PNEC soil  
PNEC soil (mg/kg soil dw.): 0.0035

PNEC Sewage treatment plant  
PNEC STP (mg/l): 6

### 8.2 Exposure controls

Local appropriate ventilation. Avoid contact with melted product.

#### Individual protection measures, such as personal protective equipment

**Respiratory protection:** Respiratory protective mask when melted product vapors are present.

**Skin protection:** Gloves and appropriate clothing to avoid contact.

**Eye/face protection:** Safety goggles to avoid splashes when handling melted product.

**Other protective equipment:** Showers and eye-washers in the work area.

**Specific hygiene measures:** Good work practices and the adoption of good personal hygiene measures reduce unnecessary exposures. Showers should be used. Use soap and no other solvents. Use skin reconditioning cream after work.

**Medical Conditions Aggravated by Exposure:** Respiratory tract deficiencies and dermatological problems.

#### Environmental exposure controls:

Product should not reach the environment through wastewater or sewage. Measures to take in case of accidental release can be found in Section 6 of this MSDS.

## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance: Solid (pellets).

Odour: Acetic acid.

Odour threshold: N/A

Colour: Transparent.

pH: N/A

Melting point/freezing point: 85-90°C

Initial boiling point and boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability (solid, gas): N/A

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Upper/lower flammability or explosive limits: N/A  
Vapour pressure: N/A  
Vapour density: N/A  
Density: 937 kg/m<sup>3</sup>  
Solubility(ies): Aromatic and halogenated organic solvents.  
Partition coefficient: n-octanol/water: N/A  
Auto-ignition temperature: N/A  
Decomposition temperature: N/A  
Viscosity: N/A  
Explosive properties: N/A  
Oxidising properties: N/A

### 9.2 Other information

Water solubility: Insoluble

## SECTION 10. Stability and reactivity

10.1. **Reactivity:** N/A

10.2. **Chemical stability:** Stable material at room temperature. The powder polymer may explode.

10.3. **Possibility of hazardous reactions:** Oxidant materials, aromatic and aliphatic hydrocarbons, chloride solvents.

10.4. **Conditions to avoid:** Avoid direct contact with the flames and high temperatures.

10.5. **Incompatible materials:** N/A

10.6. **Hazardous decomposition products:** At temperatures higher than 220-230°C the product decomposes releasing acetic acid. Complete combustion: CO<sub>2</sub>, and H<sub>2</sub>O. Incomplete combustion: CO, soot, aldehydes, ketones, hydrocarbons and volatile fatty acids.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

The provided toxicological information results from the application of Annexes VII to XI of Regulation 1907/2006 (REACH).

|| **Acute toxicity:** CAS 108-05-4. Rat oral LD<sub>50</sub>: 3500 mg/kg; Rabbit dermal LD<sub>50</sub>: 7440 mg/kg; Rat inhalation LC<sub>50</sub>: 15810 mg/m<sup>3</sup> (4h).

**Skin corrosion/irritation:** N/A

**Serious eye damage/irritation:** N/A

**Respiratory or skin sensitisation:** N/A

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**Germ cell mutagenicity:** N/A

**Carcinogenicity:** CAS: 108-05-4. NOAEC Inhalation = 176 mg/m<sup>3</sup>; LOAEL Oral = 31 mg/kg.

Product rating corresponds to the comparison of the results from the toxicological studies with the criteria set out in Regulation (EC) No 1272/2008 for CMR, categories 1A and 1B.

**Reproductive toxicity:** There are no data.

**STOT-single exposure:** N/A

**STOT-repeated exposure:** N/A

**Aspiration hazard:** N/A

### SECTION 12. Ecological information

**12.1. Toxicity:** CAS 108-05-4. NOEC: 0.16 mg/l; 34 days; Pimephales promelas; OECD 210.

**12.2. Persistence and degradability:** The product has long hydrocarbon insoluble chains, which makes biodegradation easy. Not easily removed from water or soil and has a high persistence in the environment.

**12.3. Bioaccumulative potential:** Bioaccumulation is unlikely because of its chemical structure having high molecular weight chains.

**12.4. Mobility in soil:** N/A

**12.5. Results of PBT and vPvB assessment:** The substance do not meet all the specific criteria detailed in Annex XIII or do not allow a direct comparison with all the criteria in Annex XIII but nevertheless indicate that the substance would not have all these properties and the substance is not considered a PBT/vPvB."

**12.6. Other adverse effects:** N/A

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

**Disposal:** Controlled combustion. Recycle material when possible.

**Handling:** Labeled and sealed containers.

**Provisions:** Establishments and companies which recover, dispose, store, transport or handle waste should comply with Dir. 2008/98/EC on waste, or other local, national or community provisions.



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### SECTION 14. Transport information

14.1. **UN number:** N/A

14.2. **UN proper shipping name:**  
N/A

14.3. **Danger identification number:** N/A

14.4. **Packing group**

**ADR/RID:** N/A

**IATA-DGR:** N/A

**IMDG:** N/A

14.5. **Environmental hazards**

**ADR/RID:** N/A

**IATA-DGR:** N/A

**IMDG:** N/A

14.6. **Transport in bulk in accordance with appendix II of the Marpol agreement 73/78 and the IMSBC code**

Category Y.

14.7. **Special precautions for user**

Stable at room temperature during transport. To avoid spills, transport in secure, properly sealed containers.

### SECTION 15. Regulatory information

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

COMMISSION REGULATION (EU) No 453/2010 : REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS

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

Regulation (EC) No 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 concerning Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

European Agreement concerning the international carriage of dangerous goods by road (ADR).

Regulation on the international transport of dangerous goods on the railway. (RID)

International maritime code of dangerous goods. (IMDG)

International Air Transport Association (IATA) regulation pertaining to air shipment.

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International Bulk Chemical Code (IMSBC Code), MARPOL 73/78.

### Commission Regulation Other hazards

Ethylene-vinyl acetate copolymer (CAS: 24937-78-8) is listed in TSCA Chemical Inventory (EPA).

Article 19g(5) Federal Water Management Act (WHG) of 17 May 1999 (amended in July 2005): Our products are classified into the Water Hazard Class WGK 1.

Hazardous Substances Ordinance (GefStoffV) regarding the safe storage of chemicals: Storage Class 11 (Technical Rule TRGS 510).

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

## SECTION 16. Other information

### Glossary

CAS: Chemical Abstract Service

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists.

TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short-term Exposure Level

REL: Recommendable Exposure Limit

PEL: Permissible Exposure Limit

INSHT: Instituto Nacional de Seguridad e Higiene en el Trabajo.

VLA-ED: Environmental limit value - daily exposure

VLA-EC: Limit environmental value - short exposure

DNEL/DMEL: Derived no-effect level / Derivation of minimal effects levels

PNEC: Predicted No Effect Concentration

LD50: Lethal Dose Medium

LC50: Lethal Concentration Medium

EC50: Effective Concentration Medium

IC50: Inhibitory Concentration Medium

BOD: Biological Oxygen Demand.

NOAEL: No observable adverse effect level

NOEL: No observed effect level

NOAEC: No observed adverse effect concentration

NOEC: No observed effect concentration

N/A: Not applicable

|| : Changes from the last revision

### Data Bases consulted

EINECS: European Inventory of Existing Commercial Substances.

TSCA: Toxic Substances Control Act, US Environmental Protection Agency.

HSDB: US National Library of Medicine.

RTECS: US Dept. of Health & Human Services.

### Hazard Class-and-Category shown in the document



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H225: Highly flammable liquid and vapour.  
H332: Harmful if inhaled.  
H335: May cause respiratory irritation.  
H351: Suspected of causing cancer.  
H412: Harmful to aquatic life with long lasting effects.

Purchasing companies have an obligation to ensure that their employees are properly trained on the safe handling and use of the product in accordance with the guidelines contained in this MSDS.

Furthermore, companies purchasing this product are required to inform their employees, and individuals who could manipulate or use it within their facilities, about all indications included in the MSDS, in particular those relating to the product's risks to the health and safety of people and to the environment.

The information given in this document has been compiled based on the best existing information sources, latest available knowledge and according to the current requirements on classification, packaging and labelling of hazardous substances. It does not imply the information is exhaustive or accurate in all cases. It is the user's responsibility to determine the validity of the information contained in this Material Safety Data Sheet to apply depending on the case.