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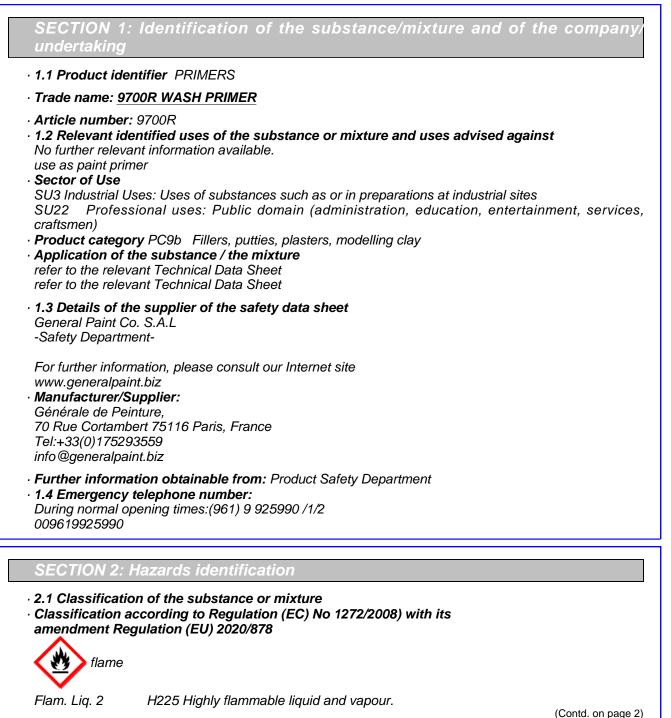
Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.05.2024

Version number 1.1

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	(Contd. of page
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enviro	onment
Aquatic Chronic	c 2 H411 Toxic to aquatic life with long lasting effects.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H335 May cause respiratory irritation.
· 2.2 Label elem	
	ording to Regulation (EC) No 1272/2008
	classified and labelled according to the CLP regulation.
 Hazard pictogi 	rams
\wedge	
	1 July
< <u>*</u>	
GHS02 GHS	07 GHS09
GHS02 GHS0	
· Signal word Da	anger
 Signal word Data Hazard-determ 4-methylpentan 	anger nining components of labelling: n-2-one
• Signal word Da • Hazard-determ 4-methylpentan Epichlorhydrin :	anger nining components of labelling: n-2-one : epoxy resin
 Signal word Data Hazard-determ 4-methylpentan Epichlorhydrin : Hazard statem 	anger nining components of labelling: n-2-one : epoxy resin nents
 Signal word Data Hazard-determ 4-methylpentan Epichlorhydrin : Hazard statem H225 Highly flat 	anger nining components of labelling: n-2-one :: epoxy resin nents mmable liquid and vapour.
 Signal word Data Hazard-determing 4-methylpentaning Epichlorhydring Hazard stateming H225 Highly flag H315 Causes states 	anger nining components of labelling: n-2-one : epoxy resin nents mmable liquid and vapour. skin irritation.
 Signal word Data Hazard-determing 4-methylpentaning Epichlorhydring Hazard stateming H225 Highly flat H315 Causes sing H319 Causes sing 	anger nining components of labelling: n-2-one : epoxy resin nents mmable liquid and vapour. skin irritation. serious eye irritation.
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 Signal word Data Hazard-determing 4-methylpentaning Epichlorhydring Hazard stateming H225 Highly flat H315 Causes sing H319 Causes sing H317 May causes H335 May causes H411 Toxic to an experimental stateming Precautionary P101 	anger hining components of labelling: h-2-one : epoxy resin hents immable liquid and vapour. skin irritation. serious eye irritation. se an allergic skin reaction. se an allergic skin reaction. se respiratory irritation. aquatic life with long lasting effects. statements If medical advice is needed, have product container or label at hand.
 Signal word Data Hazard-determing 4-methylpentaning Epichlorhydring Hazard stateming H225 Highly flat H315 Causes sing H319 Causes sing H317 May cause H335 May cause H411 Toxic to aid Precautionary 	anger hining components of labelling: h-2-one : epoxy resin hents mmable liquid and vapour. skin irritation. serious eye irritation. se an allergic skin reaction. se respiratory irritation. aquatic life with long lasting effects. statements
 Signal word Data Hazard-determing 4-methylpentaning Epichlorhydring Hazard stateming H225 Highly flat H315 Causes sing H319 Causes sing H317 May caussing H335 May caussing H411 Toxic to an experimental stateming Precautionary P101 P102 	anger hining components of labelling: h-2-one : epoxy resin hents mmable liquid and vapour. kkin irritation. serious eye irritation. se an allergic skin reaction. se an allergic skin reaction. se respiratory irritation. aquatic life with long lasting effects. statements If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition source
 Signal word Data Hazard-determing 4-methylpentaning Epichlorhydring Hazard stateming H225 Highly flat H315 Causes sing H319 Causes sing H317 May cause H335 May cause H411 Toxic to a Precautionary P101 P102 P103 	anger hining components of labelling: h-2-one : epoxy resin hents mmable liquid and vapour. skin irritation. serious eye irritation. se an allergic skin reaction. se an allergic skin reaction. se respiratory irritation. aquatic life with long lasting effects. statements If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.



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Contd. of page 2) P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/ international regulations. • Additional information:

- Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- 2.3 Other hazards
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

108-10-1	4-methylpentan-2-one Flam. Liq. 2, H225;	>10- <i>≤</i> 25%
1330-20-7	3, H335 Xylene	>10- <i>≤</i> 25%
	Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
67-63-0	propan-2-ol	>10- <i>≤</i> 25%
	🚸 Flam. Liq. 2, H225; 🚸 Eye Irrit. 2, H319; STOT SE 3, H336	
68648-78-2	Polivinyl butyral	>10- <i>≤</i> 25%
7779-90-0	trizinc bis(orthophosphate)	>2.5- <i>≤</i> 10%
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
13463-67-7	titanium dioxide	>2.5- <i>≤</i> 10%
	🚸 Carc. 2, H351	
25068-38-6	Epichlorhydrin : epoxy resin	<i>≤</i> 2.5%
	♦ Aquatic Chronic 2, H411; ♦ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
108-95-2	phenol	<i>≤</i> 2.5%
	♦ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ♦ Muta. 2, H341; STOT RE 2, H373; ♦ Skin Corr. 1B, H314	



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(Contd. of page 3) • Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- · After swallowing: If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture
- No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
 6.2 Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.



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· 6.4 Reference to other sections

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See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- 7.2 Conditions for safe storage, including any incompatibilities • Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles.
- Storage class: 3
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Additional information about design of technical facilities: No further data; see section 7.

 • Ingredients with limit values that require monitoring at the workplace:

 108-10-1 4-methylpentan-2-one

 IOELV (EU)
 Short-term value: 208 mg/m³, 50 ppm

 Long-term value: 83 mg/m³, 20 ppm

 1330-20-7 xylene

 IOELV (EU)
 Short-term value: 442 mg/m³, 100 ppm

 Long-term value: 221 mg/m³, 50 ppm

 Skin

 108-95-2 phenol

 IOELV (EU)

 Short-term value: 16 mg/m³, 4 ppm

 Long-term value: 8 mg/m³, 2 ppm

 Skin

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(Contd. of page 5) · Additional information: The lists valid during the making were used as basis. · 8.2 Exposure controls · Personal protective equipment: · General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eves and skin. · Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. · Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the dearadation · Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. · Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. · Eye protection: Tightly sealed goggles SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- · General Information
- Appearance: Form:

Liquid

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Colour:	Dark grey
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range	
Flash point:	13 °C
Flammability (solid, gas):	Highly flammable.
• Auto-ignition temperature:	425 °C
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive
	air/vapour mixtures are possible.
· Explosion limits:	
Lower:	1.1 Vol %
Upper:	12 Vol %
• Vapour pressure at 20 °C:	43 hPa
Density at 20 °C:	1.105 g/cm³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	54.6 %
Water:	1.8 %
VOC (EC)	615.3 g/l
Solids content:	43.8 %
	(Contd. on page 8



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· 9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

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

· LD/LC50 values relevant for classification:

108-10-1 4-methylpentan-2-one

Oral	LD50	2,080 mg/kg (rat)
	LD50	16,000 mg/kg (rab)
Inhalative	LC50/4 h	11 mg/l (ATE)
		8.3-16.6 mg/l (rat)

- · Primary irritant effect:
- Skin corrosion/irritation
- Causes skin irritation.
- Serious eye damage/irritation Causes serious eye irritation.
- · Respiratory or skin sensitisation
- May cause an allergic skin reaction.
- · Additional toxicological information:
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure
- May cause respiratory irritation.
- STOT-repeated exposure Based on available data, the classification criteria are not met.

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

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SECTION 12: Ecological information

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- Ecotoxical effects:
- · Remark: Toxic for fish
- · Additional ecological information:
- General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

- Toxic for aquatic organisms
- 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · **vPvB:** Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information • 14.1 UN-Number • ADR, IMDG, IATA UN1263 • 14.2 UN proper shipping name • ADR 1263 PAINT, ENVIRONMENTALLY HAZARDOUS • IMDG PAINT, MARINE POLLUTANT • IATA PAINT



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 14.3 Transport hazard class(es) 	NOT APPLICABLE
,	NUT AFFLICADLE
ADR, IMDG	
Class	3 Flammable liquids.
Label	3
· Class · Label	3 Flammable liquids. 3
· 14.4 Packing group · ADR, IMDG, IATA	11
· 14.5 Environmental hazards: · Marine pollutant:	Product contains environmentally hazardo substances: trizinc bis(orthophosphate) Yes
Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
 14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category 	Warning: Flammable liquids. : 33 F-E, <u>S-E</u> B
 14.7 Transport in bulk according to Annex II Marpol and the IBC Code 	of Not applicable.
Transport/Additional information:	
ADR - Limited quantities (LQ) - Excepted quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30 ml
 Transport category Tunnel restriction code 	Maximum net quantity per outer packaging: 500 m 2 D/E



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IMDG
 Limited quantities (LQ)
 Excepted quantities (EQ)
 Substrain Excepted quantities (EQ)
 Excepted quantities (EQ)
 UN "Model Regulation":
 UN 1263 PAINT, 3, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category
- E2 Hazardous to the Aquatic Environment P5c FLAMMABLE LIQUIDS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H341 Suspected of causing genetic defects.

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(Contd. of page 11) H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. · Department issuing SDS: Product safety department · Contact: N/A Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids - Category 2 Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 3: Acute toxicity – Category 3 Acute Tox. 4: Acute toxicity – Category 4 Skin Corr. 1B: Skin corrosion/irritation - Category 1B Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 Skin Sens. 1: Skin sensitisation - Category 1 Muta. 2: Germ cell mutagenicity - Category 2 Carc. 2: Carcinogenicity - Category 2 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 • * Data compared to the previous version altered. I B/AR