

Safety Data Sheet

acc to OSHA HCS

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Printing Date: 03.22.2019

Reviewed: 03.22.2019

1 Identification

Product identifier:

Trade name: Hilway Direct Primo Gloss Floor Finish

Relevant identified uses of the substance or mixture and uses advised against:

SU21 Consumer uses: Private households / general public / consumers

Sector of Use:

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Application of the substance / the mixture: Maintenance product

Application of the substance / the preparation: Floor Finish - Maintenance product

Manufacturer, Importer, Supplier:

Hilway Direct

12 McCullough Drive

New Castle, DE 19720

Tel: 302-325-3801

Fax: 302-325-2592

Email: support@hilway.com

Medical & Transportation 24-hour Emergency Contact: Call INFOTRAC 800-535-5053 (24/7/365)

2 Hazards identification

Classification of the substance or mixture:

The product is not classified according to the Globally Harmonized System (GHS).

Label elements

GHS label elements: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void



NFPA ratings (scale 0 - 4)

Health = 0

Fire = 1

Reactivity = 0



HMIS-ratings (scale 0 - 4)

Health = 0

Fire = 1

Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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3 Composition/information on ingredients

Chemical characterization: Mixtures**Description:** Mixture of the substances listed below with nonhazardous additions

Dangerous Components		
	(2-Methoxymethylethoxy)-propanol	1-5%
107-21-1	ethanediol	1-5%
78-51-3	tris(2-butoxyethyl) phosphate	1-5%
27306-78-1	Poly(oxy-1,2-ethanediyl),a-acetyl-w-[3-[1,3,3,3-tetramethyl-1[(trimethylsilyl)oxy]disiloxanyl]propoxy]	0.1-1%

4 First aid measures

Description of first aid measures

General information: Immediately remove any clothing soiled by the product.**After inhalation:** No special measures required.**After skin contact:** Rinse with warm water. After each cleaning use treatment creams, for very dry skin greasy ointments.**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.**After swallowing:** Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

Information for doctor

Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents: Use fire fighting measures that suit the environment.**For safety reasons unsuitable extinguishing agents:** Not applicable.**Special hazards arising from the substance or mixture:** No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Particular danger of slipping on leaked/spilled product.

Environmental precautions:

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Prevent from spreading (e.g. by damming-in or oil barriers).
Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:**Precautions for safe handling:**

Follow instructions on the label and in the Technical Product Information Sheet.

Information about protection against explosions and fires:

No special precautions are necessary if used correctly.

Conditions for safe storage, including any incompatibilities / Storage:

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Protect from frost.

Store under lock and key and out of the reach of children.

Specific end use(s): No further relevant information available.

8 Exposure controls / personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:	
(2-Methoxymethylethoxy)-propanol	
PEL	Long-term value: 600 mg/m ³ , 100 ppm Skin
REL	Short-term value: 900 mg/m ³ , 150 ppm Long-term value: 600 mg/m ³ , 100 ppm Skin
TLV	Short-term value: 909 mg/m ³ , 150 ppm Long-term value: 606 mg/m ³ , 100 ppm Skin
107-21-1 ethanediol	
TLV	Long-term value: NIC-10* mg/m ³ Ceiling limit value: (100) mg/m ³ (H);*as inhalable fraction and vapor

Additional information: The lists that were valid during the creation were used as basis.

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Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.

Be sure to clean skin thoroughly after work and before breaks.

Breathing equipment: Not required.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. 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:

Where there is a danger of the eyes coming into contact with splashes of liquid (i.e. when refilling larger quantities), safety goggles according to EN 166 (i.e. goggles with side shields) are recommended.

Body protection: Not required.

Limitation and supervision of exposure into the environment:

Follow instructions for use, dosage and waste disposal.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information · Appearance	
Form:	Fluid
Color:	Whitish
Odor:	Pleasant
Odour threshold:	Not determined
pH-value at 20 °C (68 °F):	8.5
Change in condition	
Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	Undetermined
Flash point:	> 100 °C (> 212 °F) (Seta Flash Closed Cup)
Flammability (solid, gaseous):	Undetermined
Decomposition temperature:	Not determined
Auto igniting:	Product is not self-igniting
Danger of explosion:	Product does not present an explosion hazard

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Explosion limits	
Lower:	Not determined
Upper:	Not determined
Vapor pressure at 20 °C (68 °F):	23 hPa (17 mm Hg)
Density at 20 °C (68 °F):	1.035 g/cm ³ (8.637 lbs/gal)
Relative density:	Not determined
Vapour density:	Not determined
Evaporation rate:	Not determined
Solubility in / Miscibility with Water:	Fully miscible
Partition coefficient (n-octanol/water):	Not determined
Viscosity	
Dynamic:	Not determined
Kinematic at 20 °C (68 °F):	26 s (ISO 3 mm)
Solvent content	
VOC content ASTM D3960:	5.1 %
Other information	No further relevant information available

10 Stability and reactivity

Reactivity: see section "Possibility of hazardous reactions".

Chemical stability: No information available.

Thermal decomposition / conditions to be avoided:

Protect from frost.

No decomposition if used and stored according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No dangerous reactions known.

Hazardous decomposition products: Danger of toxic pyrolysis products.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:		
107-21-1 ethanediol		
Oral	LD50	4000 mg/kg (rat)
Dermal	LD50	>3500 mg/kg (mouse) 10600 mg/kg (rabbit)

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78-51-3 tris(2-butoxyethyl) phosphate		
Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4h	>6.4 mg/l (rat)

Primary irritant effect:**on the skin:** No data available.**on the eye:** No data available.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

IARC (International Agency for Research on Cancer)		
67-63-0	propan-2-ol	3
NTP (National Toxicology Program)		
None of the ingredients is listed.		
OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

12 Ecological information

107-21-1 ethanediol	
EC50/48h	>100 mg/l (Daphnia magna)
LC50/96h	>5000 mg/l (fish)
78-51-3 tris(2-butoxyethyl) phosphate	
EC50/48h	75 mg/l (Daphnia magna)

Persistence and degradability

Elimination of contained polymers is possible through precipitation or flocculation. The solvent is biodegradable.

Behavior in environmental systems:**Bioaccumulative potential:** Undetermined.**Mobility in soil:** No further relevant information available.**Ecotoxicological effects:****Behavior in sewage processing plants:**

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge. Before allowing large quantities to be fed into sewage plants, obtain the approval of the responsible authorities.

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Additional ecological information:**General notes:****Water hazard class 1 (Self-assessment):** slightly hazardous for water

Do not allow to reach ground water/water course. Do not allow undiluted product or large quantities of it to reach sewage system.

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects:** No further relevant information available.

13 Disposal considerations

Waste treatment methods**Recommendation:**

Must be specially treated adhering to official regulations.

Small amounts may be diluted with plenty of water and washed away.

Dispose of bigger amounts in accordance with Local Authority requirements.

Uncleaned packagings**Recommendation:**

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

UN-Number DOT, ADR, ADN, IMDG, IATA	void
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	void
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class	void
Packing group DOT, ADR, IMDG, IATA	void
Environmental hazards: Marine pollutant	No
Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
UN "Model Regulation":	-

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15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture · Sara

Section 355 (extremely hazardous substances):	
None of the ingredients is listed.	
Section 313 (Specific toxic chemical listings):	
107-21-1	ethanediol
121-44-8	triethylamine
52-51-7	bronopol (INN)
67-63-0	propan-2-ol
TSCA (Toxic Substances Control Act):	
	(2-Methoxymethylethoxy)-propanol
107-21-1	ethanediol
78-51-3	tris(2-butoxyethyl) phosphate
27306-78-1	Poly(oxy-1,2-ethanediyl),a-acetyl-w-[3-[1,3,3,3-tetramethyl-1[(trimethylsilyl)oxy]disiloxanyl]propoxy]
	Alkohol, C4-8, ethoxyliert
138-86-3	dipentene
121-44-8	triethylamine
52-51-7	bronopol (INN)
78-70-6	Linalool
106-24-1	Geraniol
106-22-9	Citronellol
5392-40-5	Citral
67-63-0	propan-2-ol
2634-33-5	1,2-benzisothiazol-3(2H)-one
107-46-0	hexamethyldisiloxane

Proposition 65

Chemicals known to cause cancer:
None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

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Carcinogenicity categories

EPA (Environmental Protection Agency)		
None of the ingredients is listed.		
TLV (Threshold Limit Value established by ACGIH)		
107-21-1	ethanediol	A4
121-44-8	triethylamine	A4
67-63-0	propan-2-ol	A4
NIOSH-Ca (National Institute for Occupational Safety and Health)		
None of the ingredients is listed.		

GHS label elements: Void**Hazard pictograms:** Void**Signal word:** Void**Hazard statements:** Void**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

Training hints ---**Recommended restriction of use ---****Department issuing SDS:** Department for product development**Contact:** Reggie Hill / Sam Jamison**Date of preparation / last revision:** 09/03/2015 / 1**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

*** Data compared to the previous version altered.**

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