

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/20/2013

Reviewed on 08/20/2013

1 Identification

- Product identifier
- Trade name: *Hilway Direct Plus*
- Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
- Application of the substance / the preparation Maintenance product
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier
Import:
Hilway Direct
12 McCullough Dr, Suite 10
New Castle, DE 19720
Product and Technical Information: 1-877-356-6748
Website: www.hilway.com
E-Mail: Support@Hilway.com
- Supplier/Producer:
- Information department:
Department for product development
E-Mail: sam@hilway.com
- **Medical & Transportation 24 hour Emergency: Call INFOTRAC 1-800-535-5053 (24/7/365)**

2 Hazard(s) identification

- Classification of the substance or mixture
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
The product does not have to be labeled due to the calculation procedure of international guidelines.
- Information concerning particular hazards for human and environment:
Heightened danger of slipping when the product is spilled on the floor.
- Label elements
- Labelling according to EU guidelines:
- Code letter and hazard designation of product:
The product is not subject to identification regulations according to directives on hazardous materials.
- Safety phrases:
Keep locked up and out of the reach of children.
- NFPA ratings (scale 0 - 4)

 Health = 0
 Fire = 2
 Reactivity = 0
- HMIS-ratings (scale 0 - 4)

 Health = 0
 Fire = 2
 Reactivity = 0
- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

Safety Data Sheet

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Trade name: Hilway Direct Plus

(Contd. of page 1)

3 Composition/information on ingredients

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

· Dangerous components:

111-90-0	2-(2-ethoxyethoxy)ethanol	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%
378-51-3	tris(2-butoxyethyl) phosphate	1-5%

4 First-aid measures

- Description of first aid measures
- General information: No special measures required.
- After inhalation: No special measures required.
- 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:
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:
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture Danger of toxic pyrolysis products.
- Advice for firefighters
- Protective equipment:
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- 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
Avoid contact with the eyes.
Avoid close or long term contact with the skin.
Particular danger of slipping on leaked/spilled product.
- Environmental precautions:
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).
Dispose of the collected material according to regulations.

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/20/2013

Reviewed on 08/20/2013

Trade name: Hilway Direct Plus

(Contd. of page 2)

- 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.
Avoid contact with the eyes.
Avoid close or long term contact with the skin.
No special measures required.
 - 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 unopened original receptacles.
 - 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

- Control parameters
- Components with limit values that require monitoring at the workplace:

111-90-0 2-(2-ethoxyethoxy)ethanol

WEEL Long-term value: 25 ppm

- 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.
Keep away from foodstuffs, beverages and feed.
The usual precautionary measures for handling chemicals should be followed.
 - Breathing equipment: Not required.
 - Protection of hands:
Avoid direct contact with the chemical/ the product/ the preparation by organizational measures.
To avoid skin problems reduce the wearing of gloves to the required minimum.
 - Material of gloves
Nitrile rubber, NBR
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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 4)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/20/2013

Reviewed on 08/20/2013

Trade name: Hilway Direct Plus

(Contd. of page 3)

- 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
- pH-value at 20 °C (68 °F): 8.7
- Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
- Flash point: > 61 °C (> 142 °F) (Seta Flash Closed Cup)
- Flammability (solid, gaseous): Undetermined.
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Density at 20 °C (68 °F): 1.017 g/cm³ (8.487 lbs/gal)
- Solubility in / Miscibility with Water: Fully miscible.
- Viscosity:

Kinematic at 20 °C (68 °F):	20-25 s (ISO 2431, 3 mm)
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- Solvent content:

VOC content:	3.8 %
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- Other information: No further relevant information available.

10 Stability and reactivity

- Reactivity
- Chemical stability
- 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: No dangerous decomposition products known.

(Contd. on page 5)

USA

Safety Data Sheet

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Trade name: Hilway Direct Plus

(Contd. of page 4)

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
 - on the skin: No irritant effect.
 - on the eye: No irritating effect.
- 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.		

12 Ecological information

- Toxicity
- Aquatic toxicity: Undetermined.
- Persistence and degradability

Elimination of contained polymers is possible through precipitation or flocculation.

The solvent is biodegradable.

The surfactants contained in the product correspond to the legislation on the environmental compatibility of detergents and are 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.
- 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.

(Contd. on page 6)

USA

Safety Data Sheet

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(Contd. of page 5)

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:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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

67-63-0 propan-2-ol

- TSCA (Toxic Substances Control Act):

7732-18-5 water, distilled, conductivity or of similar purity

111-90-0 2-(2-ethoxyethoxy)ethanol

78-51-3 tris(2-butoxyethyl) phosphate

107-21-1 ethanediol

577-11-7 docusate sodium

64-17-5 ethanol

2682-20-4 2-methyl-2H-isothiazol-3-one

2634-33-5 1,2-benzisothiazol-3(2H)-one

67-63-0 propan-2-ol

(Contd. on page 7)

USA

Safety Data Sheet

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(Contd. of page 6)

- 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:

64-17-5 ethanol

- Cancerogenity categories

- EPA (Environmental Protection Agency)

None of the ingredients is listed.

- TLV (Threshold Limit Value established by ACGIH)

107-21-1 ethanediol

A4

64-17-5 ethanol

A4

- NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

- Product related hazard informations:

- Safety phrases:

Keep locked up and out of the reach of children.

- National regulations:

- Other regulations, limitations and prohibitive regulations

Other regulations (EC): Regulation (EC) No 648/2004

- 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 MSDS: Department for product development

- Contact: Dr. Olaf Janßen