

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/7

Gesswein Water Soluble Compound

Revision 4

Revision date 2015-06-18

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Gesswein Water Soluble Compound
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU0] Other; [PC25] Metal working fluids; [PROC21] Low energy manipulation of substances bound in materials and/or articles; [ERC12a] Industrial processing of articles with abrasive techniques (low release);
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1.3. Details of the supplier of the safety data sheet

Company Address	Paul H. Gesswein & Co., Inc. 201 Hancock Ave. Bridgeport, CT 06605 USA
Web	www.gesswein.com
Telephone	203-366-5400
Email	jharsh@gesswein.com

1.4. Emergency telephone number



Emergency telephone Company	800-255-3924 Chemtel
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xn; R65 R66 Symbols: Xn: Harmful.
Main hazards	Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.
2.1.2. Classification - EC 1272/2008	Asp. Tox. 1: H304; Eye Dam. 1: H318;

2.2. Label elements

Hazard pictograms	 
Signal Word	Danger

Gesswein Water Soluble Compound

Revision 4
Revision date 2015-06-18

2.2. Label elements

Hazard Statement	Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Eye Dam. 1: H318 - Causes serious eye damage.
Precautionary Statement: Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P310 - IF SWALLOWED: IF SWALLOWED: Immediately call a POISON CENTER/doctor/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 -Immediately call a POISON CENTER/doctor/ . P331 - Do NOT induce vomiting.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

2.3. Other hazards

Other hazards	Contact with the eyes should be avoided due to the abrasive nature of the product. PBT/vPvB assessment is not available as a chemical safety assessment is either not required or has not been conducted.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Polyoxyethylene Tridecyl Phosphate Ester		73038-25-2			1 - 10%	Xi; R38-41	
Mineral Oil			232-455-8	01-2119487078-27	40 - 50%	Xn; R65 R66	
Phosphoric acid...% (Orthophosphoric acid)	015-011-00-6	7664-38-2	231-633-2		0 - 0.5%	C; R34	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Polyoxyethylene Tridecyl Phosphate Ester		73038-25-2			1 - 10%	Skin Irrit. 2: H315; Eye Dam. 1: H318;	
Mineral Oil			232-455-8	01-2119487078-27	40 - 50%	EUH066; Asp. Tox. 1: H304;	

None of the ingredients in this formulation are listed as hazardous or are required to be declared under the minimum concentration limits given by the COSHH Regulations.

Further information

None of the ingredients in this formulation are listed as hazardous or are required to be declared under the minimum concentration limits given by the COSHH Regulations.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Seek medical attention.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention. May cause irritation to eyes.
Skin contact	May cause irritation to skin. Wash with soap and water.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Drink 1 to 2 glasses of water. Seek medical attention.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	May cause temporary eye irritation or eye damage due to the abrasive nature of the product.

Gesswein Water Soluble Compound

Revision 4

Revision date 2015-06-18

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

Skin contact	Prolonged contact may cause redness, irritation and dryness.
Ingestion	Ingestion may cause nausea and vomiting.

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

Inhalation	Remove the affected person from the source of contamination immediately.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash with soap and water.
Ingestion	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water.

General information

	If you feel unwell, seek medical advice (show the label where possible). Wash all contaminated clothing before reuse.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO ₂), Dry chemical, Foam. Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Toxic Fumes and Dust may be formed in fire conditions.
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5.3. Advice for firefighters

	Wear: Self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Sweep up.
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6.2. Environmental precautions

	Do not allow product to enter drains. Do not flush into surface water.
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6.3. Methods and material for containment and cleaning up

	Clean area thoroughly with detergent. Clean spillage area thoroughly with plenty of water. Transfer to suitable, labelled containers for disposal.
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6.4. Reference to other sections

	See section 2, 7, 8 & 9 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Wear suitable protective equipment.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Store in original container. Do NOT allow to freeze.
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7.3. Specific end use(s)

	Use as Supplied. For use as a metal working lubricant/coolant in industrial applications only.
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Suitable packaging

	Plastic containers.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	Ensure adequate ventilation of the working area.
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Gesswein Water Soluble Compound


Revision 4

Revision date 2015-06-18

8.1.1. Exposure Limit Values

Mineral Oil	<p>WEL 8-hr limit ppm:</p> <p>WEL 15 min limit ppm:</p> <p>WEL 8-hr limit mg/m3 total - inhalable dust:</p> <p>WEL 8-hr limit mg/m3 total - respirable dust:</p>	<p>WEL 8-hr limit mg/m3: 5 Oil Mist</p> <p>WEL 15 min limit mg/m3:</p> <p>WEL 15 min limit mg/m3 total - inhalable dust:</p> <p>WEL 15 min limit mg/m3 total - respirable dust:</p>
Phosphoric acid...% (Orthophosphoric acid)	<p>WEL 8-hr limit ppm: -</p> <p>WEL 15 min limit ppm: -</p> <p>WEL 8-hr limit mg/m3 total - inhalable dust:</p> <p>WEL 8-hr limit mg/m3 total - respirable dust:</p>	<p>WEL 8-hr limit mg/m3: 1</p> <p>WEL 15 min limit mg/m3: 2</p> <p>WEL 15 min limit mg/m3 total - inhalable dust:</p> <p>WEL 15 min limit mg/m3 total - respirable dust:</p>

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Eye / face protection	Safety glasses. Avoid contact with eyes.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Not normally required. Wear suitable respiratory equipment when necessary.
8.2.3. Environmental exposure controls	Dispose of this material and its container to hazardous or special waste collection point.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	Various Depending On Grade
Odour threshold	No data available
pH	> 5
Melting point	No data available
Initial boiling point	No data available
Flash point	Not applicable.
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	0.95g/ml Typical
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	Not applicable.
Explosive properties	Not applicable.
Oxidising properties	No data available
Solubility	Miscible in water

9.2. Other information

Gesswein Water Soluble Compound

Revision 4

Revision date 2015-06-18

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
Benzene Content	No data available
Lead content	Not applicable.
VOC (Volatile organic compounds)	Not applicable.

Water solubility

	Miscible in water.
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SECTION 10: Stability and reactivity

10.1. Reactivity

	None expected under normal conditions of use.
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10.2. Chemical stability

	Will not decompose if stored and used as recommended.
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10.3. Possibility of hazardous reactions

	None expected under normal conditions of use.
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10.4. Conditions to avoid

	Do NOT allow to freeze. Direct sunlight. Heat, sparks and open flames.
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10.5. Incompatible materials

	Strong acids. Strong bases.
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10.6. Hazardous decomposition products

	Incomplete combustion will produce toxic and noxious fumes including carbon monoxide and carbon dioxide.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data is available on this product.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	MAY CAUSE EYE IRRITATION.
Respiratory or skin sensitisation	No sensitization effects reported.
Repeated or prolonged exposure	Prolonged or repeated exposure may cause irritation to skin and mucous membranes.

11.1.4. Toxicological Information

	No data available
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SECTION 12: Ecological information

12.1. Toxicity

	No data available
	No data is available on this product.

12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bioaccumulative potential

	No data is available on this product.
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Gesswein Water Soluble Compound

Revision 4

Revision date 2015-06-18

Partition coefficient

	Gesswein Water Soluble Compound No data available
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12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	PBT/vPvB assessment is not available as a chemical safety assessment is either not required or has not been conducted.
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12.6. Other adverse effects

	No known adverse environmental effects.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Allocation of the correct EWC Number should be done in accordance with the european Waste Catalogue and should be carried out in agreement with an EA authorised waste disposal company.
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General information

	Can be incinerated if in compliance with local and national regulations. Dispose of in compliance with all local and national regulations.
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Disposal methods

	Dispose of this material and its container to hazardous or special waste collection point.
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Disposal of packaging

	Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations. Empty containers can be sent for disposal or recycling.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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Further information

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

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

Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No
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Gesswein Water Soluble Compound

Revision 4

Revision date 2015-06-18

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

1907/2006 of the European Parliament and of the Council on 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. 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. Regulation (EC) No 1272/2008 CLP. The Health and Safety at Work Act 1974. Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

A chemical safety assessment has not been conducted.

SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas:. 2 - 2.1. Classification of the substance or mixture. 2 - 2.1.2. Classification - EC 1272/2008. 2 - Hazard pictograms. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Storage. 2 - Precautionary Statement: Disposal. 15 - Labelling. 15 - Risk phrases. 15 - Safety phrases.
Text of risk phrases in Section 3	R34 - Causes burns. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R65 - Harmful: may cause lung damage if swallowed. R66 - Repeated exposure may cause skin dryness or cracking.
Text of Hazard Statements in Section 3	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. EUH066 - Repeated exposure may cause skin dryness or cracking. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.