

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**Chemetall**  
expect more<sup>+</sup>

## Gardobond-Additive H 7352

Version 4.0

Revision Date 05.08.2011

Print Date 20.10.2014

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

#### 1.1 Product identifier

Trade name : Gardobond-Additive H 7352

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

Use of the Sub-stance/Mixture : Additive for the cleaning of metal surfaces.

Recommended restrictions on use : None known.

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

Company : Chemetall Ltd  
Denbigh Road  
Bletchley Milton Keynes MK1 1PB  
Telephone : 01908 649333  
Telefax : 01908 373939

Contact person product safety

Telephone : +49(0)6971652292

E-mail address : msds.de@chemetall.com

#### 1.4 Emergency telephone number

Emergency telephone number : 01908 649333

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1

H318: Causes serious eye damage.

Skin irritation, Category 2

H315: Causes skin irritation.

##### Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



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Signal word	:	Danger	
Hazard statements	:	H315 H318	Causes skin irritation. Causes serious eye damage.
Precautionary statements	:	<b>Prevention:</b> P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
		<b>Response:</b> P305 + P351 + P338	IF IN EYES: Rinse cautiously with wa- ter for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
		P312	Call a POISON CENTER or doctor/ physi- cian if you feel unwell.
		<b>Disposal:</b> P501	Dispose of contents/ container to an ap- proved waste disposal plant.

Hazardous components which must be listed on the label:

- 97043-91-9 Alcohols, C9 - C16,ethoxylated

Special labelling of certain mixtures : Ingredients according to Regulation (EC) No.648/2004 on detergents:  
Non ionic surfactants, > 30 %

: Safety data sheet available on request for professional users.

**2.3 Other hazards**

The information required is contained in this Material Safety Data Sheet.

**3. Composition/information on ingredients**

**3.1 Substances**

Identification: Gardobond-Additive H 7352

**3.2 Mixtures**

**Hazardous components**

Chemical Name	CAS-No.	Classification	Classification	Concentration
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	EC-No. Registration number	(67/548/EEC)	(REGULATION (EC) No 1272/2008)	[%]
Fatty alcohol polyglycol ether	146340-16-1	Xi; R38  N; R50	Skin Irrit. 2; H315  Aquatic Acute 1; H400	>= 10 - < 20
Alcohols, C9 - C16,ethoxylated	97043-91-9	Xn; R22  Xi; R41	Acute Tox. 4; H302  Eye Dam. 1; H318	>= 2.5 - < 5

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the Notas mentioned in this Section, see Section 16.

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

- General advice : Take off contaminated clothing and shoes immediately.  
First-aid crew: Ensure self-protection.  
Move out of dangerous area.
- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.  
Call a physician immediately.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,  
for at least 15 minutes.  
Call a physician immediately.
- If swallowed : Rinse mouth with water.  
Call a physician immediately.

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

- Risks : irritant effects

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

- Treatment : Treat symptomatically.  
For specialist advice physicians should contact the Poisons

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Information Service.

**5. Fire-fighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Water spray  
Alcohol-resistant foam

Unsuitable extinguishing media : High volume water jet

**5.2 Special hazards arising from the substance or mixture**

Specific hazards during fire fighting : May form toxic gases on heating or in case of fire.

**5.3 Advice for firefighters**

Special protective equipment for fire-fighters : Self-contained breathing apparatus (EN 133)  
Further information : Use water spray to cool unopened containers.

**6. Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Wear personal protective equipment.

**6.2 Environmental precautions**

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

**6.3 Methods and materials for containment and cleaning up**

Methods for cleaning up : Ensure adequate ventilation.  
Soak up with liquid binder (sand, kieselguhr, acid binder, universal binder).  
Sweep up and shovel into suitable containers for disposal.

**6.4 Reference to other sections**

See chapter 8 and 13

**7. Handling and storage**

**7.1 Precautions for safe handling**

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.

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Have eye wash bottle or eye rinse ready at the work place.  
Avoid contact with skin and eyes.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

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

Requirements for storage areas and containers : Store at room temperature in the original container.  
Keep container tightly closed in a dry and well-ventilated place.

Storage temperature : -7 - 40 °C

### 7.3 Specific end uses

Specific use(s) : Additive for the cleaning of metal surfaces.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Engineering measures

Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.  
Recommended Filter type:  
B-P2

Hand protection : butyl-rubber  
Protective gloves complying with EN 374.  
The exact break through time can be obtained from the protective glove producer and this has to be observed.  
Protective gloves have to be replaced at the first sign of deterioration.

Eye protection : Tightly fitting safety goggles  
Eye protection (EN 166)

Skin and body protection : Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

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- Hygiene measures** : Take off contaminated clothing and shoes immediately.  
Avoid contact with the skin and the eyes.  
Keep away from food, drink and animal feedingstuffs.  
Wash hands before breaks and immediately after handling the product.
- Protective measures** : Handle in accordance with good industrial hygiene and safety practice.  
Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
- Environmental exposure controls**
- General advice** : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

**9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

- Appearance** : liquid
- Colour** : colourless
- Odour** : inconspicuous
- Flash point** : > 100 °C
- Ignition temperature** : not applicable
- Autoignition temperature** : not applicable
- pH** : 4.5 - 5.5  
at 10 g/L  
20 °C
- Solidification temperature/range** : < -7 °C
- Boiling point/boiling range** : no data available
- Vapour pressure** : no data available
- Density** : 0.98 - 1.02 g/cm<sup>3</sup>  
at 20 °C

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Method: DIN 51757

Water solubility : completely miscible

Flow time : ca.18 s  
at 23 °C  
4 mm  
Method: ISO 2431

**9.2 Other information**

Explosivity : no data available

**10. Stability and reactivity**

**10.1 Reactivity**

No hazards to be specially mentioned.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : No dangerous reaction known under conditions of normal use.

**10.4 Conditions to avoid**

Conditions to avoid : To avoid thermal decomposition, do not overheat.

**10.5 Incompatible materials**

Materials to avoid : Strong oxidizing agents

**10.6 Hazardous decomposition products**

Risk of decomposition. : No decomposition if used as directed.

**11. Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

**Skin corrosion/irritation**

Skin irritation : Causes skin irritation.

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**Serious eye damage/eye irritation**

Eye irritation : Causes serious eye damage.

**Respiratory or skin sensitization**

Sensitisation : no data available

**Further information** : Has a degreasing effect on the skin.

**12. Ecological information**

**12.1 Toxicity**

Ecotoxicology studies for the product are not available.

**Toxicity to fish**

Fatty alcohol polyglycol ether : LC50: > 0.1 - 1 mg/l  
Species: Fish  
Method: ISO 7346/2

**Toxicity to bacteria**

Fatty alcohol polyglycol ether : EC0: > 10 - 100 mg/l  
Species: Bacteria  
Method: OECD Test Guideline 209

**12.2 Persistence and degradability**

**Biodegradability** : The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents

**Biodegradability**

Fatty alcohol polyglycol ether : > 60 %  
Method: OECD Test Guideline 301  
Readily biodegradable  
This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.  
Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.



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**12.3 Bioaccumulative potential**

Bioaccumulation : Bioaccumulation is unlikely.

**12.4 Mobility in soil**

Mobility : no data available

**12.5 Results of PBT and vPvB assessment**

no data available

**12.6 Other adverse effects**

Additional ecological information : water endangering  
: Avoid subsoil penetration.  
Do not flush into surface water or sanitary sewer system.  
Even leakage of small amounts in the subsoil can contaminate drinking water.

**13. Disposal considerations**

**13.1 Waste treatment methods**

Product : Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Dispose of as hazardous waste in compliance with local and national regulations.

Waste Code : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

**14. Transport information**

**ADR**  
Not dangerous goods

**IATA**  
Not dangerous goods

**IMDG**  
Not dangerous goods

**RID**

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Not dangerous goods

**15. Regulatory information**

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

Water contaminating class : WGK 2 water endangering  
(Germany) VVWWS A4

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.  
Regional or national implementations of GHS may not implement all hazard classes and categories.

**15.2 Chemical Safety Assessment**

A Chemical Safety Assessment is not required for this substance.

**16. Other information**

**Full text of R-phrases referred to under sections 2 and 3**

R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

**Full text of H-Statements referred to under sections 2 and 3.**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.

**Further information**

The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.