



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** HC Extra F NON QAC - HOOF CARE PRODUCT
00020
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Hygienic cleaner. For professional use only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:** HOOFCOUNT LTD
Preston, UK
PR3 1RP
Phone.: +44 1995 603028
24hr +44 7912 521722
Orders@hoofcount.com
www.hoofcount.com
- 1.4 Emergency telephone number:** +447912521722

2.1 Classification of the substance or mixture:

CLP Regulation (EC) n° 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) n° 1272/2008.

Acute Tox. 3: Acute toxicity, Category 3, H311+H331

Acute Tox. 4: Acute toxicity if swallowed, Category 4, H302

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411

Carc. 1B: Carcinogenicity, Category 1B, H350

Eye Dam. 1: Serious eye damage, Category 1, H318

Muta. 2: Germ cell mutagenicity, Category 2, H341

Skin Irrit. 2: Skin irritation, Category 2, H315

Skin Sens. 1: Sensitisation, skin, Category 1, H317

STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335

2.2 Label elements:

CLP Regulation (EC) n° 1272/2008:

Danger



Hazard statements:

Acute Tox. 3: H311+H331 - Toxic in contact with skin or if inhaled

Acute Tox. 4: H302 - Harmful if swallowed

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects

Carc. 1B: H350 - May cause cancer

Eye Dam. 1: H318 - Causes serious eye damage

Muta. 2: H341 - Suspected of causing genetic defects

Skin Irrit. 2: H315 - Causes skin irritation

Skin Sens. 1: H317 - May cause an allergic skin reaction

STOT SE 3: H335 - May cause respiratory irritation **Precautionary**

statements:

P201: Obtain special instructions before use

P280: Wear protective gloves/protective clothing/eye protection/face protection

P302+P352: IF ON SKIN: Wash with plenty of water

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P308+P313: IF exposed or concerned: Get medical advice/attention

P403+P233: Store in a well-ventilated place. Keep container tightly closed

P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively

Supplementary information:

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SECTION 2: HAZARDS IDENTIFICATION (continue)

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EUH208: Contains Formaldehyde. May produce an allergic reaction

Substances that contribute to the classification

Formaldehyde; zinc sulphate· 7 H₂O; aluminium sulphate; Copper sulfate pentahydrate **Additional Labelling (Annex XVII, REACH):** Restricted to professional users

2.3 Other hazards:

Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Solution

Components:

In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 50-00-0 EC: 200-001-8 Index: 605-001-00-5 REACH: 01-2119488953-20-XXXX	Formaldehyde	ATP ATP06	10 - <25 %
	Regulation 1272/2008	Acute Tox. 3: H301+H311+H331; Carc. 1B: H350; Muta. 2: H341; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger	
CAS: 7758-99-8 EC: 231-847-6 Index: 029-004-00-0 REACH: 01-2119520566-40-XXXX	Copper sulfate pent hydrate	ATP CLP00	2,5 - <10 %
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 7446-20-0 EC: 231-793-3 Index: 030-006-00-9 REACH: 01-2119474684-27-XXXX	zinc sulphate· 7 H₂O	ATP CLP00	2,5 - <10 %
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318 - Danger	
CAS: 10043-01-3 EC: 233-135-0 Index: Non-applicable REACH: 01-2119531538-36-XXXX	aluminium sulphate	Self-classified	2,5 - <10 %
	Regulation 1272/2008	Eye Dam. 1: H318; Met. Corr. 1: H290 - Danger	

To obtain more information on the risk of the substances consult sections 8, 11, 12, 15 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Request medical assistance immediately, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance. **By skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection. **By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

SECTION 4: FIRST AID MEASURES (continue)



Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head up to avoid inhalation. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

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

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed: Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment.

Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up: It is

recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections: See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling: A.-

Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

SECTION 7: HANDLING AND STORAGE (continue)

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Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

Maximum time: 6 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

Identification				
Formaldehyde CAS: 50-00-0 EC: 200-001-8	STP	0,19 mg/L	Fresh water	0,47 mg/L
	Soil	0,21 mg/kg	Marine water	0,47 mg/L
	Intermittent	4,7 mg/L	Sediment (Fresh water)	2,44 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	2,44 mg/kg
Copper sulfate pentahydrate CAS: 7758-99-8 EC: 231-847-6	STP	0,23 mg/L	Fresh water	0,0078 mg/L
	Soil	65 mg/kg	Marine water	0,0052 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	87 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	676 mg/kg
zinc sulphate: 7 H2O CAS: 7446-20-0 EC: 231-793-3	STP	0,052 mg/L	Fresh water	0,0206 mg/L
	Soil	35,6 mg/kg	Marine water	0,0061 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	117,8 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	56,5 mg/kg
aluminium sulphate CAS: 10043-01-3 EC: 233-135-0	STP	20 mg/L	Fresh water	0,0003 mg/L
	Soil	Non-applicable	Marine water	0,00003 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

8.2 Exposure controls:

A.- General security and hygiene measures in the work place

If product is used at the concentration dosing conditions specified in the relevant instructions for use (section 15), personal protective equipment described in section 8.2 for UNDILUTED products will not be required.

Safe handling recommendations for undiluted product:

In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the professional exposure limits. In case of using individual protection equipment they should have the CE marking in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the professional exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves		EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009	Replace the gloves at any sign of deterioration.

D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against liquid splash		EN 166:2001 EN 172:1994/A1:2000 EN 172:1994/A2:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Bodily protection

Pictogram	PPE	Labelling	CEN Standard	Remarks

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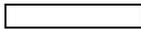


	Work clothing		EN ISO 13688:2013	For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

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Pictogram	PPE	Labelling	CEN Standard	Remarks
	Anti-slip work shoes		EN ISO 20347:2012 EN ISO 20344:2011	None

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2002	 Eyewash stations	DIN 12 899 ISO 3864-1:2002

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D **Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	24 % weight
V.O.C. density at 20 °C:	283,2 kg/m ³ (283,2 g/L)
Average carbon number:	1
Average molecular weight:	30 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Fluid
Color:	 Violet
Odor:	Spicy

Volatility:

Boiling point at atmospheric pressure:	117 °C
Vapour pressure at 20 °C:	87286 Pa
Vapour pressure at 50 °C:	218376 Pa (218 kPa)
Evaporation rate at 20 °C:	Non-applicable *

Product description:

Density at 20 °C:	1180 kg/m ³
Relative density at 20 °C:	1,18
Dynamic viscosity at 20 °C:	0,95 cP
Kinematic viscosity at 20 °C:	0,94 cSt
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	2,7 - 3,1 to 1 %
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)

- CONTINUED ON NEXT PAGE -



Solubility properties: Non-applicable * Decomposition temperature: Non-applicable

*

Melting point/freezing point: Non-applicable *

Flammability:

Flash Point: Non Flammable (>60 °C)

Autoignition temperature: Non-applicable *

Lower flammability limit: Non-applicable *

Upper flammability limit: Non-applicable *

9.2 Other information:

Surface tension at 20 °C: Non-applicable *

Refraction index: Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

	Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
10.5	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Incompatible materials:

	Acids	Water	Combustive materials	Combustible materials	Others
10.6	Not applicable	Not applicable	Avoid direct impact	Not applicable	Not applicable

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available **Dangerous**

health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure: A.- Ingestion:

- Acute toxicity: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting. B- Inhalation:
- Acute toxicity: Inhalation after prolonged exposure may be lethal.
- Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

SECTION 11: TOXICOLOGICAL INFORMATION (continue)

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C- Contact with the skin and the eyes:

- Contact with the skin: Can be fatal if the product is absorbed through the skin. For more information on the secondary effects of contact with the skin see section 2.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.
- Mutagenicity: Exposure to this product can cause genetic modifications. For more specific information on the possible health effects see section 2.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitizing effects. For more information see section 3.

- Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT)-time exposure:
 Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:
 Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. **Other information:** Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
	Route	Dose	
Formaldehyde CAS: 50-00-0 EC: 200-001-8	LD50 oral	100 mg/kg	Rat
	LD50 dermal	270 mg/kg	Rabbit
	LC50 inhalation	1,1 mg/L (4 h)	Rat
Copper sulfate pentahydrate CAS: 7758-99-8 EC: 231-847-6	LD50 oral	482 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
zinc sulphate 7 H2O CAS: 7446-20-0 EC: 231-793-3	LD50 oral	1710 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
aluminium sulphate CAS: 10043-01-3 EC: 233-135-0	LD50 oral	6207 mg/kg	Mouse
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Identification	Route	Acute toxicity	Specie	Genus
Formaldehyde CAS: 50-00-0 EC: 200-001-8	LC50	100 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	42 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Copper sulfate pentahydrate CAS: 7758-99-8 EC: 231-847-6	LC50	0,1 - 1 mg/L (96 h)		Fish
	EC50	0,1 - 1 mg/L		Crustacean
	EC50	0,1 - 1 mg/L		Algae

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SECTION 12: ECOLOGICAL INFORMATION (continue)

Identification	Acute toxicity	Specie	Genus
zinc sulphate· 7 H ₂ O CAS: 7446-20-0 EC: 231-793-3	LC50	0,1 - 1 mg/L (96 h)	Fish
	EC50	0,1 - 1 mg/L	Crustacean
	EC50	0,1 - 1 mg/L	Algae
aluminium sulphate CAS: 10043-01-3 EC: 233-135-0	LC50	33,9 mg/L (96 h)	Pimephales promelas
	EC50	38,2 mg/L (48 h)	Daphnia magna
	EC50	Non-applicable	

12.2 Persistence and degradability:

Identification	Degradability	Biodegradability	
		Concentration	Period
Formaldehyde CAS: 50-00-0 EC: 200-001-8	BOD5	Non-applicable	100 mg/L
	COD	Non-applicable	14 days
	BOD5/COD	0.74	92 %

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
Formaldehyde CAS: 50-00-0 EC: 200-001-8	BCF	3
	Pow Log	0,35
	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption	Volatility	
		Henry	Dry soil
Formaldehyde CAS: 50-00-0 EC: 200-001-8	Koc	Non-applicable	Non-applicable
	Conclusion	Non-applicable	Non-applicable
	Surface tension	14160 N/m (25 °C)	Non-applicable

12.5 Results of PBT and vPvB assessment: Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
20 01 29*	Detergents containing dangerous substances	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP6 Acute Toxicity, HP8 Corrosive, HP13 Sensitising, HP7 Carcinogenic, HP11 Mutagenic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue.

We do not recommend disposal down the drain. See paragraph 6.2. **Regulations**

related to waste management:

In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

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SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land: With regard to ADR 2015 and RID 2015:

SECTION 14: TRANSPORT INFORMATION (continue)



14.1 UN number: UN2209
14.2 UN proper shipping name: With not less than 25% formaldehyde product.
14.3 Transport hazard class(es): CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Formaldehyde)
 Labels: 8
14.4 Packing group: 8
14.5 Dangerous for the environment: III
14.6 Special precautions for user: Yes
 Special regulations:
 Tunnel restriction code: 274 E
 Physico-Chemical properties: see section 9
 Limited quantities: 5 L
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 37-14:



14.1 UN number: UN2209
14.2 UN proper shipping name: With not less than 25% formaldehyde product.
14.3 Transport hazard class(es): CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Formaldehyde)
 Labels: 8
14.4 Packing group: 8
14.5 Dangerous for the environment: III
14.6 Special precautions for user: Yes
 Special regulations:
 EmS Codes: 223, 274, 944
 Physico-Chemical properties: F-A, S-B see section 9
 Limited quantities: section 9
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: 5 L
 Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2015:



14.1 UN number: UN2209
14.2 UN proper shipping name: With not less than 25% formaldehyde product.
14.3 Transport hazard class(es): CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Formaldehyde)
 Labels: 8
14.4 Packing group: 8
14.5 Dangerous for the environment: III
14.6 Special precautions for user: Yes
 Physico-Chemical properties: see section 9 Non-applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Non-applicable

SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable

SECTION 15: REGULATORY INFORMATION (continue)

Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) No 528/2012): Formaldehyde (excluded for the product type 1, 4, 5, 6, 9, 11, 12, 13, 20, 21)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Relevant instructions for use:

PREPARE A DILUTION 3-5% IN WATER, AND LET THE ANIMALS WALK OVER 2 TIMES A WEEK. NO MORE THAN 400 ANIMALS FOR THE SAME DISOLUTION.

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH): Product classified hazardous under the CMR. Sale and distribution to the general public is prohibited. Due to its CMR category, it is essential to apply the specific measures for workplace hazard prevention covered in articles 4 and 5 of the 90/394/EC Directive and later modifications.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products
- Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents
- Commission Regulation (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII
- Commission Regulation (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EU) N° 453/2010, Regulation (EC) N° 2015/830)

Modifications related to the previous security card which concerns the ways of managing risks. :

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation

H318: Causes serious eye damage

H411: Toxic to aquatic life with long lasting effects

H317: May cause an allergic skin reaction

H341: Suspected of causing genetic defects

H350: May cause cancer

H335: May cause respiratory irritation

H311+H331: Toxic in contact with skin or if inhaled

H302: Harmful if swallowed

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3 **CLP Regulation (EC) n° 1272/2008:**



SECTION 16: OTHER INFORMATION (continue)

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled
Acute Tox. 4: H302 - Harmful if swallowed
Aquatic Acute 1: H400 - Very toxic to aquatic life
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects
Carc. 1B: H350 - May cause cancer
Eye Dam. 1: H318 - Causes serious eye damage
Eye Irrit. 2: H319 - Causes serious eye irritation
Met. Corr. 1: H290 - May be corrosive to metals
Muta. 2: H341 - Suspected of causing genetic defects
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage
Skin Irrit. 2: H315 - Causes skin irritation
Skin Sens. 1: H317 - May cause an allergic skin reaction

Classification procedure:

Skin Irrit. 2: Calculation method
Eye Dam. 1: Calculation method
Aquatic Chronic 2: Calculation method
Skin Sens. 1: Calculation method
Muta. 2: Calculation method
Carc. 1B: Calculation method
STOT SE 3: Calculation method
Acute Tox. 3: Calculation method
Acute Tox. 4: Calculation method

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product. **Principal bibliographical sources:**

<http://esis.jrc.ec.europa.eu>
<http://echa.europa.eu> <http://eur-lex.europa.eu>

Abbreviations and acronyms:

- ADR: European agreement concerning the international carriage of dangerous goods by road
- IMDG: International maritime dangerous goods code
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- COD: Chemical Oxygen Demand
- BOD5: 5-day biochemical oxygen demand
- BCF: Bioconcentration factor
- LD50: Lethal Dose 50
- CL50: Lethal Concentration 50
- EC50: Effective concentration 50
- Log-POW: Octanol–water partition coefficient
- Koc: Partition coefficient of organic carbon

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -