

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

1.1 Product identifier: CRYSTALE Platinum Plus - diswasher tabs

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

Relevant uses: Dishwashing detergent

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:

GRUPA INCO S.A. ul. Wspólna 25 00-519 Warszawa - Mazowieckie - Polska Phone.: +48 22 71 15 900 info.produkty@inco.pl www.inco.pl

**1.4 Emergency telephone number:** +48 22 7115900 (7.30-15.30)

# SECTION 2: HAZARDS IDENTIFICATION

# 2.1 Classification of the substance or mixture:

# CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319

2.2 Label elements:

# CLP Regulation (EC) No 1272/2008:

Warning



## Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation

# **Precautionary statements:**

P101: If medical advice is needed, have product container or label at hand
P102: Keep out of reach of children
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing
P337+P313: If eye irritation persists: Get medical advice/attention

#### 2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

# 3.1 Substance:

Non-applicable

# 3.2 Mixture:

# Chemical description: Mixture composed of chemical products

# Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification		Chemical name/Classification	Concentration
CAS: 497-19-8	sodium carbonate <sup>(1)</sup>	ATP CLP00	
EC: 207-838-8 Index: 011-005-00-2 REACH: 01-2119485498-19- XXXX	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	20 - <25 %

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830



# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

	Identification		Chemical name/Classification	Concentration	
CAS:	15630-89-4	Disodium carbonate,	compound with hydrogen peroxide (2:3) <sup>(1)</sup> Self-classified		
	239-707-6 Non-applicable 01-2119457268-30- XXXX	Regulation 1272/2008	Acute Tox. 4: H302; Eye Dam. 1: H318; Ox. Sol. 2: H272 - Danger	10 - <20 %	
CAS:	68439-51-0	Alcohols, C12-14, eth	oxylated propoxylated <sup>(1)</sup> Self-classified		
EC: Non-applicable Index: Non-applicable REACH: Non-applicable		Regulation 1272/2008	Aquatic Chronic 3: H412	1 - <3 %	
CAS:	1344-09-8	Silicic acid, sodium sa	It (2.6 < MR <=3.2) <sup>(1)</sup> Self-classified		
EC: 215-687-4 Index: Non-applicable REACH: 01-2119448725-31- XXXX	Index: N REACH: 0	Non-applicable	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	1 - <3 %
CAS:	77-92-9	Citric Acid <sup>(1)</sup>	Self-classified		
	201-069-1 Non-applicable 01-2119457026-42- XXXX	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	1 - <3 %	
CAS:	5970-45-6	Zinc di(acetate) · 2H2	Self-classified		
	209-170-2 Non-applicable 01-2120119383-62- XXXX	Regulation 1272/2008	Acute Tox. 4: H302+H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	<0,151 %	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

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

#### Other information:

Identification	Specific concentration limit
Disodium carbonate, compound with hydrogen peroxide (2:3) CAS: 15630-89-4 EC: 239-707-6	% (w/w) >=25: Eye Dam. 1 - H318 7,5<= % (w/w) <25: Eye Irrit. 2 - H319

# SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

## By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

#### By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

#### 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, in which case 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:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

# 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, handling and use. In the case of combustion as a result of improper handling, 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 full jet 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 self-contained breathing apparatus (SCBA). 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. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, 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:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

## 6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

#### 6.3 Methods and material for containment and cleaning up:

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

# 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

Due to its inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

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

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal See sections 8 and 13.

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

A.- Technical measures for storage

Store in a cool, dry, well-ventilated location

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):



# SECTION 7: HANDLING AND STORAGE (continued)

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

#### 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace

Nuisance dust: Inhalable dust 10 mg/m3 // Respirable dust 4 mg/m3

#### DNEL (Workers):

		Short	exposure	Long e	xposure
Identification		Systemic	Local	Systemic	Local
sodium carbonate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 497-19-8	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 207-838-8	Inhalation	Non-applicable	Non-applicable	Non-applicable	10 mg/m <sup>3</sup>
Disodium carbonate, compound with hydrogen peroxide (2:3)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 15630-89-4	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 239-707-6	Inhalation	Non-applicable	Non-applicable	Non-applicable	5 mg/m <sup>3</sup>
Silicic acid, sodium salt (2.6 < MR <=3.2)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1344-09-8	Dermal	Non-applicable	Non-applicable	1,59 mg/kg	Non-applicable
EC: 215-687-4	Inhalation	Non-applicable	Non-applicable	5,61 mg/m <sup>3</sup>	Non-applicable

#### **DNEL (General population):**

		Short e	xposure	Long e	xposure
Identification		Systemic	Local	Systemic	Local
sodium carbonate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 497-19-8	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 207-838-8	Inhalation	Non-applicable	10 mg/m <sup>3</sup>	Non-applicable	Non-applicable
Silicic acid, sodium salt (2.6 < MR <=3.2)	Oral	Non-applicable	Non-applicable	0,8 mg/kg	Non-applicable
CAS: 1344-09-8	Dermal	Non-applicable	Non-applicable	0,8 mg/kg	Non-applicable
EC: 215-687-4	Inhalation	Non-applicable	Non-applicable	1,38 mg/m <sup>3</sup>	Non-applicable

PNEC:

STP	16,24 mg/L	Fresh water	0,035 mg/L
Soil	Non-applicable	Marine water	0,035 mg/L
Intermittent	0,035 mg/L	Sediment (Fresh water)	Non-applicable
Oral	Non-applicable	Sediment (Marine water)	Non-applicable
STP	348 mg/L	Fresh water	7,5 mg/L
Soil	Non-applicable	Marine water	1 mg/L
Intermittent	7,5 mg/L	Sediment (Fresh water)	Non-applicable
Oral	Non-applicable	Sediment (Marine water)	Non-applicable
STP	1000 mg/L	Fresh water	0,44 mg/L
Soil	33,1 mg/kg	Marine water	0,044 mg/L
Intermittent	Non-applicable	Sediment (Fresh water)	34,6 mg/kg
Oral	Non-applicable	Sediment (Marine water)	3,46 mg/kg
	Soil Intermittent Oral STP Soil Intermittent Oral STP Soil Intermittent	SoilNon-applicableIntermittent0,035 mg/LOralNon-applicableSTP348 mg/LSoilNon-applicableIntermittent7,5 mg/LOralNon-applicableSTP1000 mg/LSoil33,1 mg/kgIntermittentNon-applicable	SoilNon-applicableMarine waterIntermittent0,035 mg/LSediment (Fresh water)OralNon-applicableSediment (Marine water)STP348 mg/LFresh waterSoilNon-applicableMarine waterIntermittent7,5 mg/LSediment (Fresh water)OralNon-applicableSediment (Fresh water)SoilNon-applicableSediment (Fresh water)OralNon-applicableSediment (Marine water)STP1000 mg/LFresh waterSoil33,1 mg/kgMarine waterIntermittentNon-applicableSediment (Fresh water)

#### 8.2 Exposure controls:

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

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more 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.



# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

B.- Respiratory protection

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

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Protective gloves against minor risks			Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2003+A1:2009 and EN ISO 374-1:2016

"As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance with total reliability and has therefore to be checked prior to the application"

D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2001 EN ISO 4007:2018	Clean daily and disinfect periodically according to th manufacturer's instructions. Use if there is a risk o splashing.
Body protection	l l			
Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CATI		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommender in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:201: EN 464:1994.
	Anti-slip work shoes	CATI	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommende in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F	Additional	emergency	measures
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Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Evewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

#### **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):		0,05 % weight
V.O.C. density at 20 °C	2:	Non-applicable
Average carbon numbe	er:	10
Average molecular wei	ght:	136,24 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:

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



SECT	ION 9: PHYSICAL AND CHEMICAL PROPERTIES	(continued)
	Physical state at 20 °C:	Solid
	Appearance:	Tablets
	Colour:	Characteristic
	Odour:	Characteristic
	Odour threshold:	Non-applicable *
	Volatility:	
	Boiling point at atmospheric pressure:	Non-applicable *
	Vapour pressure at 20 °C:	Non-applicable *
	Vapour pressure at 50 °C:	Non-applicable *
	Evaporation rate at 20 °C:	Non-applicable *
	Product description:	
	Density at 20 °C:	Non-applicable *
	Relative density at 20 °C:	Non-applicable *
	Dynamic viscosity at 20 °C:	Non-applicable *
	Kinematic viscosity at 20 °C:	Non-applicable *
	Kinematic viscosity at 40 °C:	Non-applicable *
	Concentration:	Non-applicable *
	pH:	10 - 11,3
	Vapour density at 20 °C:	Non-applicable *
	Partition coefficient n-octanol/water 20 °C:	Non-applicable *
	Solubility in water at 20 °C:	Non-applicable *
	Solubility properties:	Water-soluble
	Decomposition temperature:	Non-applicable *
	Melting point/freezing point:	Non-applicable *
	Explosive properties:	Non-applicable *
	Oxidising properties:	Non-applicable *
	Flammability:	
	Flash Point:	Non-applicable
	Flammability (solid, gas):	Non-applicable *
	Autoignition temperature:	237 °C
	Lower flammability limit:	Non-applicable *
	Upper flammability limit:	Non-applicable *
	Explosive:	
	Lower explosive limit:	Non-applicable *
	Upper explosive 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 informa	tion property of its hazards.

# SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:



#### SECTION 10: STABILITY AND REACTIVITY (continued)

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:

10

Applicable for handling and storage at room temperature:

	Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
).5	Incompatible materials:				
	Acids	Water	Oxidising materials	Combustible materials	Others
	Not applicable	Not applicable	Not applicable	Precaution	Avoid alkalis or strong bases

#### **10.6** Hazardous decomposition products:

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 the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.

- Contact with the eyes: Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

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

IARC: d-limonene (3); Talc (3)

- Mutagenicity: 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.

- 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 sensitising effects. For more information see section 3.

- Cutaneous: 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.
- F- Specific target organ toxicity (STOT) single exposure:



# SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.

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	Acut	e toxicity	Genus
Disodium carbonate, compound with hydrogen peroxide (2:3)	LD50 oral	1034 mg/kg	Rat
CAS: 15630-89-4	LD50 dermal	Non-applicable	
EC: 239-707-6	LC50 inhalation	Non-applicable	
sodium carbonate	LD50 oral	2800 mg/kg	Rat
CAS: 497-19-8	LD50 dermal	Non-applicable	
EC: 207-838-8	LC50 inhalation	Non-applicable	
Citric Acid	LD50 oral	5400 mg/kg	Rat
CAS: 77-92-9	LD50 dermal	Non-applicable	
EC: 201-069-1	LC50 inhalation	Non-applicable	
Zinc di(acetate) · 2H2O	LD50 oral	794 mg/kg	Rat
CAS: 5970-45-6	LD50 dermal	Non-applicable	
EC: 209-170-2	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		Acute toxicity	Species	Genus
sodium carbonate	LC50	740 mg/L (96 h)	Gambussia afinis	Fish
CAS: 497-19-8	EC50	265 mg/L (48 h)	Daphnia magna	Crustacean
EC: 207-838-8	EC50	Non-applicable		
Disodium carbonate, compound with hydrogen peroxide (2:3)	LC50	70.7 mg/L (96 h)	Pimephales promelas	Fish
CAS: 15630-89-4	EC50	4.9 mg/L (48 h)	Daphnia pulex	Crustacean
EC: 239-707-6	EC50	Non-applicable		
Alcohols, C12-14, ethoxylated propoxylated	LC50	10 - 100 mg/L (96 h)		Fish
CAS: 68439-51-0	EC50	10 - 100 mg/L		Crustacean
EC: Non-applicable	EC50	10 - 100 mg/L		Algae
Citric Acid	LC50	1516 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 77-92-9	EC50	160 mg/L (48 h)	N/A	Crustacean
EC: 201-069-1	EC50	Non-applicable		
Zinc di(acetate) · 2H2O	LC50	0.1 - 1 mg/L (96 h)		Fish
CAS: 5970-45-6	EC50	0.1 - 1 mg/L		Crustacean
EC: 209-170-2	EC50	0.1 - 1 mg/L		Algae



	Identif	ication	Degradability		F	Biodegradability		
			<b>3</b> ,					
	Citric Acid		BOD5		Concentration	10 mg/L		
	CAS: 77-92-9		COD		Period	28 days		
	EC: 201-069-1		BOD5/COD	Non-applicable	% Biodegradable	97 %		
2.3	<b>Bioaccumulative poter</b>	tial:						
	Identification				Bioa	ccumulation potential		
	Citric Acid				BCF	3		
	CAS: 77-92-9				Pow Log	-1.55		
	EC: 201-069-1				Potential	Low		
2.4	Mobility in soil:							
	Identif	Identification		Absorption/desorption		Volatility		
	Citric Acid		Кос	Non-applicable	Henry	Non-applicable		
	CAS: 77-92-9		Conclusion	Non-applicable	Dry soil	Non-applicable		
	EC: 201-069-1		Surface tension	2,045E-2 N/m (350, °C)	93 Moist soil	Non-applicable		
.2.5	Results of PBT and vPvB assessment:							
	Product fails to meet PBT/vPvB criteria							
2.6	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 hazardous substances	Dangerous

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

HP4 Irritant — skin irritation and eye damage

#### 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 recommended disposal down the drain. See paragraph 6.2.

#### **Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 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

# SECTION 14: TRANSPORT INFORMATION

#### Transport of dangerous goods by land:

With regard to ADR 2019 and RID 2019:



# SECTION 14: TRANSPORT INFORMATION (continued)

		N P. I.I.					
	UN number:	Non-applicable					
14.2	UN proper shipping name:	Non-applicable					
14.3	Transport hazard class(es): Labels:	Non-applicable Non-applicable					
14.4	Packing group:	Non-applicable					
14.4	Environmental hazards:	No					
14.5	Special precautions for user	NO					
14.0	Special regulations:	Non-applicable					
	Tunnel restriction code:	Non-applicable					
	Physico-Chemical properties:	see section 9					
	Limited quantities:	Non-applicable					
14.7	Transport in bulk according	Non-applicable					
	to Annex II of Marpol and the IBC Code:						
Transpor	t of dangerous goods by sea:						
-	rd to IMDG 39-18:						
5							
14.1		Non-applicable					
14.2	UN proper shipping name:	Non-applicable					
14.3	Transport hazard class(es):	Non-applicable					
14.4	Labels:	Non-applicable					
14.4 14.5	Packing group: Environmental hazards:	Non-applicable					
14.5	Special precautions for user	No					
14.0	Special regulations:	Non-applicable					
	EmS Codes:	Non-applicable					
	Physico-Chemical properties:	see section 9					
	Limited quantities:	Non-applicable					
	Segregation group:	Non-applicable					
14.7	Transport in bulk according	Non-applicable					
	to Annex II of Marpol and the						
	IBC Code:						
Transport of dangerous goods by air:							
With regard to IATA/ICAO 2020:							
14.1	UN number:	Non-applicable					
14.2	UN proper shipping name:	Non-applicable					
14.3	Transport hazard class(es):	Non-applicable					
	Labels:	Non-applicable					
14.4	Packing group:	Non-applicable					
14.5	Environmental hazards:	No					
14.6	Special precautions for user						
	Physico-Chemical properties:	see section 9					
14.7	Transport in bulk according to Annex II of Marpol and the	Non-applicable					
	IBC Code:						

# SECTION 15: REGULATORY INFORMATION

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

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

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Citric Acid (Product-type 2)

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



#### Safety data sheet

According to 1907/2006/EC (REACH), 2015/830/EU (THIS SDS IS JUST FOR INFORMATIVE PURPOSE. THE SDS SHALL BE SUPPLIED IN AN OFFICIAL LANGUAGE OF THE COUNTRY WHERE THE PRODUCT IS PLACED ON THE MARKET)

# **CRYSTALE Platinum Plus - diswasher tabs**

#### SECTION 15: REGULATORY INFORMATION (continued)

#### Regulation (EC) No 648/2004 on detergents:

In accordance with this regulation the product complies with the following:

The tensoactives contained in this mixture comply with the biodegradibility criteria stipulated in Regulation (EC)  $n^{0}648/2004$  on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

#### Seveso III:

#### Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Non-applicable

# Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, 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) No 1907/2006 (Regulation (EC) No 2015/830)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation

#### 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) No 1272/2008:



# Safety data sheet

According to 1907/2006/EC (REACH), 2015/830/EU (THIS SDS IS JUST FOR INFORMATIVE PURPOSE. THE SDS SHALL BE SUPPLIED IN AN OFFICIAL LANGUAGE OF THE COUNTRY WHERE THE PRODUCT IS PLACED ON THE MARKET)

# **CRYSTALE Platinum Plus - diswasher tabs**

#### SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302 - Harmful if swallowed

Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled Aquatic Acute 1: H400 - Very toxic to aquatic life Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects Eye Dam. 1: H318 - Causes serious eye damage Eye Irrit. 2: H319 - Causes serious eye irritation Ox. Sol. 2: H272 - May intensify fire, oxidiser Skin Irrit. 2: H315 - Causes skin irritation STOT SE 3: H335 - May cause respiratory irritation

# Advice related to training:

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

# Principal bibliographical sources:

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 LC50: Lethal Dose 50 EC50: Effective concentration 50 EC50: Effective concentration 50 Log-POW: Octanol-water partition coefficient Koc: Partition coefficient of organic carbon

# Other information:

Classification method: Eye Irrit 2 - calculation method Ox. Sol. 2 – tests

The information contained in this safety 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 safety data sheet only refers to this product, which should not be used for needs other than those specified.