Printing date 06/14/2024

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Reviewed on 06/14/2024

 Product identifier Trade name: Color Standard. <u>60 Units. April.</u> Article number: M-513 Details of the supplier of the safety data sheet Manufacturer/Supplier: Agra Solutions, Inc. 6913 Highway 223 Signed Sciences DFERE PARK, TX 7236 USA W00-256-2586 Information department: Technical Coordinator Storman Nelson stormanan@aquasolutions.org Demergency telephone number: Chemiter: Solo-249-300 Without Sciences Details of the substance or mixture Chemiter: Solo-249-300 Without Sciences Chemiter: Solo-249-300 Without Sciences Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to organs through prolonged or repeated exposure. Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to organs through prolonged or repeated exposure. GHS08 Health hazard Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to organs through prolonged or repeated exposure. GHS05 Corrosion Eve Damage 1 H318 Causes serious eve damage. Shin Irritation 2 H315 Causes skin irritation. I-det elementis Chemiters: The product is classified and labeled according to the Globaldy Harmonized System (GHS). Hard determining components of labeling: Hytochloric Acid Signel word Danger Hardo-determining components of labeling: Hytochloric Acid Hards ditements Hardendetermining components of labeling: Hytochloric Acid Hards ditements Hardondetermining components of labeling: Hytochloric Acid Hards ditements Hards ditement	1 Identification	
60 Units, APHA • Article number: M-513 • Details of the supplier of the safety data sheet • Manufacturer/Supplier: Agua Solutions, Inc. 0913 Highway 225 DEER PARK, TX 77536 USA 800-256-2586 • Information department: Technical Coordinator Sherman Nelson shermann@ aquasolutions.org • Emergence Velephone number: Chemtree: 800-424-9300 Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to organs through prolonged or repeated exposure. Specific Target Organ Toxicity - Repeated Exposure 2 H375 May cause serious eye damage. Symathy the	· Product identifier	
 Article number: M-513 Details of the supplier of the safety data sheet Manufacturer/Supplier: Aqua Solutions. Inc. Off 13 Highway 225 DEER PARK, TX 77.56 USA 800-256-2586 Information department: Technical Coordinator Sherman Neslosn shermann® aquasolutions.org Emergency telephone number: Chemics: 800-249-300 Canutec: 613-996-6666 2 Hazard(s) identification Classification of the substance or mixture Wow GHS08 Health hazard Specific Target Organ Toxicity - Repeated Exposure 2: H373 May cause damage to organs through prolonged or repeated exposure. Www GHS05 Corrosion Eye Damage 1 H318 Causes serious eye damage. Www GHS05 Corrosion Eye Damage 1 H315 Causes skin irritation. Label elements The product is classified and labeled according to the Globally Harmonized System (GHS). Hazard belograms Www GHS05 GHS08 Signal word Danger Hazard-determing components of labeling: Hydrochloric Acid Hazard statementis Causes in irritation. 		
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 <i>kin Irritation 2</i> <i>H315 Causes skin irritation.</i> <i>Label elements</i> <i>GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).</i> <i>Hazard pictograms</i> <i>GHS05</i> <i>GHS05</i> <i>GHS05</i> <i>GHS08</i> <i>Signal word Danger</i> <i>Hazard-determining components of labeling:</i> <i>Hydrochloric Acid</i> <i>Hazard statements</i> <i>Causes skin irritation.</i> 		
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Hydrochloric Acid • Hazard statements Causes skin irritation.	· Signal word Danger	
Causes skin irritation.	Hydrochloric Acid	
		(Contd. on page 2)

Printing date 06/14/2024

3 (

Trade name: Color Standard 60 Units, APHA

Reviewed on 06/14/2024

(Contd. of page 1)
Causes serious eye damage.
May cause damage to organs through prolonged or repeated exposure.
· Precautionary statements
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Wear protective gloves / eye protection / face protection.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a poison center/doctor.
Specific treatment (see on this label).
Ĝet medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
Dispose of contents/container in accordance with local/regional/national/international regulations.
· Classification system:
· NFPÅ ratings (scale 0 - 4)
$\begin{array}{c} \textbf{Health} = 2\\ Fire = 0\\ Reactivity = 0 \end{array}$
· HMIS-ratings (scale 0 - 4)
HEALTH2FIRE 0 REACTIVITY 0
· Other hazards
· Results of PBT and vPvB assessment
· <i>PBT:</i> Not applicable.
· vPvB : Not applicable.
3 Composition/information on ingredients
• <i>Chemical characterization: Mixtures</i> • <i>Description: Mixture of the substances listed below with nonhazardous additions.</i>
-

· Dangerous compo	onents:	
CAS: 7647-01-0	Hydrochloric Acid	1.377%
• Table of Nonhaza	rdous Ingredients	
CAS: 7732-18-5	Water	98.596%
CAS: 16921-30-5	Potassium Platinum Chloride	0.015%
CAS: 7791-13-1	Cobalt Chloride Hexahydrate	0.012%

4 First-aid measures

· Description of first aid measures

• General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

(Contd. on page 3)

US

Printing date 06/14/2024

Trade name: Color Standard 60 Units, APHA Reviewed on 06/14/2024

(Contd. of page 2)

- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- *Most important symptoms and effects, both acute and delayed No further relevant information available.*
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

5 *Fire-fighting measures*

- · Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- \cdot Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

	tions, protective equipment and emergency procedures y protective device.	
	equipment. Keep unprotected persons away.	
· Environmental p	recautions: Dilute with plenty of water.	
	terial for containment and cleaning up:	
	id-binding material (sand, diatomite, acid binders, universal binders, sawdus	<i>t</i>).
Use neutralizing	0	
	nated material as waste according to section 13.	
Ensure adequate		
· Reference to oth		
	information on safe handling.	
	information on personal protection equipment.	
	r disposal information.	
· Protective Action	n Criteria for Chemicals	
• PAC-1:		
CAS: 7647-01-0	Hydrochloric Acid	1.8 ppm
CAS: 7791-13-1	Cobalt Chloride Hexahydrate	0.24 mg/m ³
· PAC-2:		
CAS: 7647-01-0	Hydrochloric Acid	22 ppm
	Cobalt Chloride Hexahydrate	25 mg/m ³
CAS: 7791-13-1		÷
CAS: 7791-13-1 • PAC-3:		
• PAC-3:	Hydrochloric Acid	100 ppm

(Contd. on page 4)

Printing date 06/14/2024

Reviewed on 06/14/2024

Trade name: Color Standard 60 Units, APHA

(Contd. of page 3)

7 Handling and storage

- · Handling:
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- · Information about protection against explosions and fires: Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see section 7.
- · Control parameters

\cdot Components with limit values that require monitoring at the workplace:	
CAS: 7647-01-0 Hydrochloric Acid	
NIOSH RECOMENDED EXP LIMI Ceiling limit value: 7.0 mg/m3 mg/m3	

NIOSH RECOMENDED EXP LIMI	Ceiling limit value: 7.0 mg/m3 mg/m ³
PEL	Ceiling limit value: 7 mg/m³, 5 ppm
REL	Ceiling limit value: 7 mg/m³, 5 ppm
TLV	Ceiling limit value: 2 ppm
	A4

• Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls

- · Personal protective equipment:
- · General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the skin.
- Avoid contact with the eyes and skin.

• Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 5)

Printing date 06/14/2024

Trade name: Color Standard 60 Units, APHA

Reviewed on 06/14/2024

(Contd. of page 4)

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. • Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:

Tightly sealed goggles

· Body protection: Protective work clothing

9 Physical and chemical properties

General Information Appearance:		
Form:	Liquid	
Color:	Amber	
Odor:	Odorless	
Odor threshold:	Not determined.	
pH-value at 20 °C (68 °F):	<2	
Change in condition		
Melting point/Melting range:	0 °C (32 °F)	
Boiling point/Boiling range:	100 °C (212 °F)	
Flash point:	Not applicable.	
Flammability (solid, gaseous):	Not applicable.	
Decomposition temperature:	Not determined.	
Ignition temperature:	Product is not selfigniting.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)	
Density at 20 °C (68 °F):	1.00196 g/cm ³ (8.36136 lbs/gal)	
Relative density	Not determined.	
Vapor density	Not determined.	
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
Water:	Fully miscible.	

Printing date 06/14/2024

Reviewed on 06/14/2024

Trade name: Color Standard 60 Units, APHA

		(Contd. of page 5)
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Water:	98.6 %	
VOC content:	0.00~%	
	0.0 g/l / 0.00 lb/gal	
Solids content:	0.0 %	
• Other information	No further relevant information available.	

10 Stability and reactivity

• *Reactivity* No further relevant information available.

- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- · Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Strong irritant with the danger of severe eye injury.
- Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

CAS: 7791-13-1 Cobalt Chloride Hexahydrate

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

· Toxicity

• Aquatic toxicity: No further relevant information available.

· Persistence and degradability No further relevant information available.

(Contd. on page 7)

2B

US

Printing date 06/14/2024

Trade name: Color Standard 60 Units, APHA

Reviewed on 06/14/2024

(Contd. of page 6)

- · Behavior in environmental systems:
- $\cdot \textit{Bioaccumulative potential No further relevant information available}.$
- Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:
- Not hazardous for water.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

UN-Number DOT, ADN, IMDG, IATA	Not regulated	
UN proper shipping name DOT, ADN, IMDG, IATA	Not regulated	
Transport hazard class(es)		
DOT, ADN, IMDG, IATA Class	Not regulated	
Packing group DOT, IMDG, IATA	Not regulated	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.	
UN "Model Regulation":	Not regulated	

15 Regulatory information

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

(Contd. on page 8)

US

Printing date 06/14/2024

Reviewed on 06/14/2024

Trade name: Color Standard 60 Units, APHA

Sara	(Contd. of page
Section 355 (extremely hazardous substances):	
None of the ingredients is listed.	
Section 313 (Specific toxic chemical listings):	
CAS: 7791-13-1 Cobalt Chloride Hexahydrate	
TSCA (Toxic Substances Control Act):	
Water	ACTIVI
Hydrochloric Acid	ACTIVI
Potassium Platinum Chloride	ACTIVI
Hazardous Air Pollutants	
CAS: 7647-01-0 Hydrochloric Acid	
CAS: 7791-13-1 Cobalt Chloride Hexahydrate	
Proposition 65	
Chemicals known to cause cancer:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	
Carcinogenic categories EPA (Environmental Protection Agency)	
None of the ingredients is listed.	
TLV (Threshold Limit Value)	
None of the ingredients is listed.	
•	
NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed. GHS label elements The product is classified and labeled according to the Globally H	Jammonized System (CUS)
Hazard pictograms	iarmonizea system (GHS).
GHS05 GHS08	
Signal word Danger	
Hazard-determining components of labeling:	
Hydrochloric Acid Hazard statements	
<i>Causes skin irritation.</i>	
Causes skin innanon. Causes serious eye damage.	
May cause damage to organs through prolonged or repeated exposure.	
May cause damage to organs through prolonged or repeated exposure. Precautionary statements	

(Contd. on page 9)

Printing date 06/14/2024

Trade name: Color Standard 60 Units, APHA

Reviewed on 06/14/2024

(Contd. of page 8)

Wash thoroughly after handling.
Wear protective gloves / eye protection / face protection.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center/doctor.
Specific treatment (see on this label).
Get medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
Dispose of contents/container in accordance with local/regional/national/international regulations.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Environment protection department.

· Contact:

Date of Preparation / Last Revision:

• Date of preparation / last revision

Revision 0.1, 06/14/2024: Reviewed SDS for accuracy. MH/STN 06/14/2024 / 1.0 • *Abbreviations and acronyms:*

IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Skin Irritation 2: Skin corrosion/irritation – Category 2 Eye Damage 1: Serious eye damage/eye irritation - Category 1 Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) - Category 2 • * Data compared to the previous version altered.