

# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

#### **SECTION 1. IDENTIFICATION**

Product name : ROTOSTAR AQUA 441 GOLD 3553-02

Product code : 046525CT0

Manufacturer or supplier's details

Company name of supplier : ECKART America Corporation

Address : 830 East Erie Street

Painesville OH 44077

Telephone : 866-458-7837

(440) 954-7600

Telefax : (440) 354-6224

e-mail adresse : info.eckart.america.oh@altana.com

Emergency telephone : CHEMTREC: 800-424-9300

CHEMTREC: 1-703-527-3387 (International)

NCEC:

(contract no. ECKART29003-NCEC) US: +1 866 928 0789 (Toll free) Canada: +1 800 579 7421 (Toll Free)

Mexico: +52 55 5004 8763

#### **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity (Oral) : Category 4

Eye irritation : Category 2A

**GHS** label elements

Hazard pictograms :

Signal Word : Warning

Hazard Statements : H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Precautionary Statements : Prevention:

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
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 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

product.

P280 Wear eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON

CENTER/ doctor if you feel unwell. Rinse

mouth.

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.

Disposal:

P501 Dispose of contents/ container to an approved

waste disposal plant.

Hazardous ingredients which must be listed on the label:

Copper

Other hazards

None known.

#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Copper	7440-50-8	>= 30 - < 50
Zinc	7440-66-6	>= 5 - < 10
1,2-Propanediol	57-55-6	>= 5 - < 10
2-Propanol	67-63-0	>= 1 - < 5

Actual concentration is withheld as a trade secret

## **SECTION 4. FIRST AID MEASURES**

General advice : Take the victim into fresh air.

Move out of dangerous area.

Show this material safety data sheet to the doctor in

attendance.

If inhaled : If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact : Wash off immediately with soap and plenty of water.

In case of eye contact : Immediately flush eye(s) with plenty of water.



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

Remove contact lenses.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

Most important symptoms and effects, both acute and

delayed

Harmful if swallowed.

Causes serious eye irritation.

#### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Special powder against metal fire

Dry sand ABC powder

Unsuitable extinguishing

media

Water

High volume water jet

Carbon dioxide (CO2)

Specific hazards during fire

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Further information : Standard procedure for chemical fires.

Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Special protective equipment:

for fire-fighters

Wear self-contained breathing apparatus for firefighting if

necessary.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas. Ensure adequate ventilation.

Use personal protective equipment.

General advice : The product should not be allowed to enter drains, water

courses or the soil.

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Environmental precautions : The product should not be allowed to enter drains, water

courses or the soil.

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.



## ROTOSTAR AQUA 441 GOLD 3553-02

Version **Revision Date:** 3.3 05/09/2025

SDS Number: 102000026954 Date of last issue: 03/31/2025 Date of first issue: 03/26/2018

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for containment and cleaning up Use mechanical handling equipment.

Pick up and transfer to properly labeled containers.

Do not flush with water.

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to

local / national regulations (see section 13).

Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

#### **SECTION 7. HANDLING AND STORAGE**

Advice on protection against

fire and explosion

Keep away from heat and sources of ignition.

No smoking.

Normal measures for preventive fire protection.

Do not breathe vapors/dust. Advice on safe handling

> Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

Dispose of rinse water in accordance with local and national

regulations.

Conditions for safe storage

Keep away from sources of ignition - No smoking.

Do not store near combustible materials.

Keep containers tightly closed in a cool, well-ventilated place. To maintain product quality, do not store in heat or direct

sunlight.

Keep container tightly closed in a dry and well-ventilated

Containers which are opened must be carefully resealed and

kept upright to prevent leakage.

Electrical installations / working materials must comply with

the technological safety standards.

Technical

measures/Precautions Materials to avoid

Protect from humidity and water.

Keep away from oxidizing agents, strongly alkaline and

strongly acid materials in order to avoid exothermic reactions.



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

Do not store together with oxidizing and self-igniting products.

Further information on storage stability

: No decomposition if stored and applied as directed.

# **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

# Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Copper	7440-50-8	TWA	1 mg/m3 (Copper)	ACGIH
		TWA (dust and mists)	1 mg/m3 (Copper)	NIOSH REL
		TWA	1 mg/m3 (Copper)	OSHA P0
		TWA	0.2 mg/m3 (Copper)	ACGIH
		TWA	0.1 mg/m3 (Copper)	OSHA P0
		TWA (Dust and mist)	1 mg/m3 (Copper)	ACGIH
		TWA (Fumes)	0.2 mg/m3 (Copper)	ACGIH
		TWA (Dust)	1 mg/m3 (Copper)	NIOSH REL
		TWA (Mist)	1 mg/m3 (Copper)	NIOSH REL
		TWA (dusts and mists)	1 mg/m3 (Copper)	OSHA Z-1
		TWA (Fumes)	0.1 mg/m3 (Copper)	OSHA Z-1
		TWA (Fumes)	0.1 mg/m3 (Copper)	OSHA P0
		TWA (Dust and mist)	1 mg/m3 (Copper)	OSHA P0
Zinc	7440-66-6	TWA (total dust)	50 Million particles per cubic foot	OSHA Z-3
		TWA (total dust)	15 mg/m3	OSHA Z-3
		TWA (respirable	5 mg/m3	OSHA Z-3



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

		fraction)		
		TWA (respirable fraction)	15 Million particles per cubic foot	OSHA Z-3
1,2-Propanediol	57-55-6	TWA	10 mg/m3	US WEEL
2-Propanol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m3	NIOSH REL
		ST	500 ppm 1,225 mg/m3	NIOSH REL
		TWA	400 ppm 980 mg/m3	OSHA Z-1
		TWA	400 ppm 980 mg/m3	OSHA P0
		STEL	500 ppm 1,225 mg/m3	OSHA P0

## **Biological occupational exposure limits**

Components	CAS-No.	Control parameters	Biological specimen	Samplin g time	Permissible concentratio n	Basis
2-Propanol	67-63-0	Acetone	Urine	End of shift at end of workwee k	40 mg/l	ACGIH BEI

Personal protective equipment

Respiratory protection : Use suitable breathing protection if workplace concentration

requires.

Equipment should conform to EN 14387

Hand protection

Material : Solvent-resistant gloves (butyl-rubber)

Remarks : Take note of the information given by the producer

concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the

gloves. Also take into consideration the specific local



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

conditions under which the product is used, such as the

danger of cuts, abrasion, and the contact time.

Recommended preventive skin protection Skin should be washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective

gloves.

Eye protection : Safety glasses

Wear face-shield and protective suit for abnormal processing

problems.

Skin and body protection : Choose body protection according to the amount and

concentration of the dangerous substance at the work place.

Hygiene measures : General industrial hygiene practice.

When using do not eat or drink. When using do not smoke.

Wash hands before breaks and at the end of workday.

#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid Color : gold

Odor : characteristic
Odor Threshold : No data available

pH : 6-8

Concentration: 100 %

Melting point/ range : Not applicable Boiling point/boiling range : > 100 °C

Flash point : > 100 °C

Evaporation rate : No data available Flammability (solid, gas) : No data available Upper explosion limit / Upper : No data available

flammability limit

Lower explosion limit / Lower : No data available

flammability limit

Vapor pressure : No data available Relative density : No data available Density : 1.55 - 1.61 g/cm3

Solubility(ies)

Water solubility : insoluble

Partition coefficient: n- : No data available

octanol/water

Autoignition temperature : No data available Decomposition temperature : No data available



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
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 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

Viscosity : No data available
Total Volatile organic
compounds (VOC) content : 5.00 - 10.00 %

#### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.
Chemical stability : No decomposition if stored and applied as directed.
Possibility of hazardous : Stable under recommended storage conditions.

reactions No decomposition if stored and applied as directed.

Conditions to avoid : Do not allow evaporation to dryness.

No data available

**Hazardous decomposition products** 

Thermal decomposition : Carbon monoxide, carbon dioxide and unburned

hydrocarbons (smoke).

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

## **Acute toxicity**

Harmful if swallowed.

## **Components:**

Copper:

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after

single ingestion.

Zinc:

Acute oral toxicity : (Rat): > 2,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 5.41 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

1,2-Propanediol:

Acute oral toxicity : LD50 (Rat): > 22,000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

2-Propanol:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
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 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

## Skin corrosion/irritation

Not classified due to lack of data.

## **Components:**

Copper:

Remarks: May cause skin irritation in susceptible persons.

## 1,2-Propanediol:

Result: No skin irritation

## Serious eye damage/eye irritation

Causes serious eye irritation.

## **Components:**

Copper:

Result: Eye irritation

## 1,2-Propanediol:

Result: No eye irritation

# 2-Propanol:

Result: Eye irritation

## Respiratory or skin sensitization

#### Skin sensitization

Not classified due to lack of data.

## Respiratory sensitization

Not classified due to lack of data.

#### Germ cell mutagenicity

Not classified due to lack of data.

## Carcinogenicity

Not classified due to lack of data.

IARC No ingredient of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

OSHA No component of this product present at levels greater than or

equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

Reproductive toxicity

Not classified due to lack of data.

STOT-single exposure

Not classified due to lack of data.

**Components:** 

2-Propanol:

Assessment: May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified due to lack of data.

**Aspiration toxicity** 

Not classified due to lack of data.

**Further information** 

**Components:** 

Copper:

Remarks: No data available

Zinc:

Remarks: No data available

#### **SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** 

**Components:** 

Copper:

M-Factor (Acute aquatic : 10

toxicity)

M-Factor (Chronic aquatic : 10

toxicity)



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
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 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

**Ecotoxicology Assessment** 

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Zinc:

M-Factor (Acute aquatic : 1

toxicity)

M-Factor (Chronic aquatic

toxicity)

**Ecotoxicology Assessment** 

Acute aquatic toxicity : Very toxic to aquatic life.

: 1

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

1,2-Propanediol:

Toxicity to daphnia and other :

aquatic invertebrates

(Daphnia magna (Water flea)): > 10,000 mg/l

Persistence and degradability

No data available

**Bioaccumulative potential** 

No data available

Other adverse effects

No data available

Components:

Copper:

Additional ecological

information

: An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

Zinc:

Additional ecological

information

: An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

1,2-Propanediol:

Additional ecological

information

: No data available



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
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 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

Waste from residues : The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Send to a licensed waste management company. In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

In accordance with local and national regulations.

#### **SECTION 14. TRANSPORT INFORMATION**

## **Domestic regulation**

#### **49 CFR**

Not regulated as a dangerous good

## **International Regulations**

IATA-DGR

UN/ID No. : UN 3082

Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.

(Copper metal powder)

Class : 9 Packing group : III

Labels : Miscellaneous Dangerous Goods

964

Packing instruction (cargo

aircraft)

Packing instruction : 964

(passenger aircraft)

**IMDG-Code** 

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(Copper metal powder)

Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

Remarks : For single packagings <=5L / 5 kg, or combination

packagings containing inner packagings <= 5L / 5 kg net per



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

inner packaging, SV375 ADR, 2.10.2.7 IMDG-Code, A197 IATA-DGR may be applied.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### **SECTION 15. REGULATORY INFORMATION**

# EPCRA - Emergency Planning and Community Right-to-Know CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)
Copper	7440-50-8	5000
Zinc	7440-66-6	1000
Ethanamine, N,N-diethyl-	121-44-8	5000
1,4-Dioxane	123-91-1	100
Acetaldehyde	75-07-0	1000
Oxirane	75-21-8	10

## SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ
		(lbs)
Oxirane	75-21-8	10

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Acute toxicity (any route of exposure)

Serious eye damage or eye irritation

SARA 313 : The following components are subject to reporting levels

established by SARA Title III, Section 313:

Copper 7440-50-8 >= 30 - < 50 %

Zinc 7440-66-6 >= 5 - < 10 %

2-Propanol 67-63-0 >= 1 - < 5 %



## **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

#### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

1,2-Propanediol 57-55-6 >= 5 - < 10 %

2-Propanol 67-63-0 >= 1 - < 5 %

White mineral oil (petroleum) 8042-47-5 >= 0.1 - < 1 %

#### **Clean Water Act**

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Ethanamine, N,N-diethyl- 121-44-8 %

Acetaldehyde 75-07-0 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Ethanamine, N,N-diethyl- 121-44-8

Acetaldehyde 75-07-0 %

This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307

%

Copper 7440-50-8 30.4122 %

Zinc 7440-66-6 7.6752 %

This product contains the following priority pollutants related to the U.S. Clean Water Act:

Copper 7440-50-8 30.4122 %

Zinc 7440-66-6 7.6752 %

## **US State Regulations**

## Massachusetts Right To Know

Copper 7440-50-8

Zinc 7440-66-6

2-Propanol 67-63-0

1,4-Dioxane 123-91-1



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

Acetaldehyde 75-07-0

Oxirane 75-21-8

Pennsylvania Right To Know

Water 7732-18-5

Copper 7440-50-8

Polyurethane/polyurea polymer Not Assigned

Zinc 7440-66-6

1,2-Propanediol 57-55-6

Dextrin 9004-53-9

2-Propanol 67-63-0

Aluminum 7429-90-5

Ethanamine, N,N-diethyl-

## California Prop. 65



WARNING: This product can expose you to chemicals including lead and cadmium, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



WARNING: This product can expose you to chemicals including 1,4-Dioxane, Acetaldehyde, Oxirane, which is/are known to the State of California to cause cancer, and Oxirane, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

## California List of Hazardous Substances

Copper 7440-50-8

Zinc 7440-66-6

2-Propanol 67-63-0

#### **California Permissible Exposure Limits for Chemical Contaminants**

Copper 7440-50-8



# **ROTOSTAR AQUA 441 GOLD 3553-02**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
 Date of first issue: 03/26/2018

Zinc 7440-66-6

2-Propanol 67-63-0

# The ingredients of this product are reported in the following inventories:

DSL : This product contains one or several components that are not

on the Canadian DSL nor NDSL.

TSCA : All chemical substances in this product are either listed as

active on the TSCA Inventory or are in compliance with a

TSCA Inventory exemption.

EINECS : On the inventory, or in compliance with the inventory

**TSCA list** 

No substances are subject to a Significant New Use Rule.

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:

Zinc 7440-66-6

# **SECTION 16. OTHER INFORMATION**

#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)
NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated

values)

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1

Limits for Air Contaminants

OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3

Mineral Dusts

US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)

ACGIH / TWA : 8-hour, time-weighted average ACGIH / STEL : Short-term exposure limit

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded

at any time during a workday

OSHA P0 / TWA : 8-hour time weighted average OSHA P0 / STEL : Short-term exposure limit OSHA Z-1 / TWA : 8-hour time weighted average OSHA Z-3 / TWA : 8-hour time weighted average

US WEEL / TWA : 8-hr TWA



## ROTOSTAR AQUA 441 GOLD 3553-02

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 03/31/2025

 3.3
 05/09/2025
 102000026954
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AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer: IATA - International Air Transport Association: IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA -Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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