

Safety Data Sheet
MICRON WA GREEN



Bulk Sales Reference No.: Y6101
 SDS Revision Date: 04/10/2019
 SDS Revision Number: A5-5

1. Identification of the preparation and company

1.1. Product identifier

Product Identity MICRON WA GREEN
 Bulk Sales Reference No. Y6101

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

Intended Use See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Akzo Nobel Coatings
 Manufacturer:
 Akzo Nobel Coatings
 International Paint
 6001 Antoine Drive
 Houston, Texas 77091

Emergency

CHEMTREC (800) 424-9300
 International Paint (713) 527-3887
 Poison Control Center (800) 854-6813
 Customer Service
 International Paint (800) 589-1267
 Fax No. (800) 631-7481

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Acute Tox. 4;H302 Harmful if swallowed.
 Acute Tox. 5;H313 May be harmful in contact with skin.
 Eye Dam. 1;H318 Causes serious eye damage.
 Aquatic Chronic 1;H410 Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.



Danger.

H302 Harmful if swallowed.

H313 May be harmful in contact with skin.

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

P264 Wash area of contact thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P312 Call a POISON CENTER or doctor / physician if you feel unwell.

P330 Rinse mouth.

P391 Collect spillage.

P501 Dispose of contents / container in accordance with local / national regulations.

HMIS Rating Health: 2 Flammability: 0 Reactivity: 0

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Copper (I) oxide CAS Number: 0001317-39-1	25 - 50	Acute Tox. 4;H302 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 Acute Tox. 4;H332 Eye Dam. 1;H318	[1]
Zinc oxide CAS Number: 0001314-13-2	10 - 25	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1][2]
Titanium dioxide (Non-respirable) CAS Number: 0013463-67-7	1.0 - 10	Not Classified	[1][2]
1,2-Propylene glycol CAS Number: 0000057-55-6	1.0 - 10	Not Classified	[1]
2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate CAS Number: 0025852-37-3	1.0 - 10	Not classified	[1]
001317-38-0 CAS Number: 0001317-38-0	1.0 - 10	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1]
Copper CAS Number: 0007440-50-8	1.0 - 10	Not Classified	[1][2]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT

induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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

Overview	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.
Inhalation	Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.
Eyes	Causes severe eye irritation. Avoid contact with eyes.
Skin	Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.

5. Fire-fighting measures

5.1. Extinguishing media

SMALL FIRES: Use dry chemical, CO₂, water spray or foam. LARGE FIRES: Use water spray, fog, or foam. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

5.2. Special hazards arising from the substance or mixture

No data available

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

ERG Guide No. 159

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. LARGE SPILLS: Dike far ahead of liquid spill to contain released material and runoff from fire control.

6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

6.3. Methods and material for containment and cleaning up

CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

7. Handling and storage

7.1. Precautions for safe handling

Handling

Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

In Storage

Keep away from heat, sparks and flame.

7.2. Conditions for safe storage, including any incompatibilities

Store between 40-100F (4-38C).

Do not get in eyes, on skin or clothing.

Strong oxidizing agents.

Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.

7.3. Specific end use(s)

Y6101_A5

Close container after each use.

Wash thoroughly after handling.

Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000057-55-6	1,2-Propylene glycol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	10 mg/m3 TWA (for assessing the visibility in a work environment where 1,2-Propylene glycol aer
		Mexico	No Established Limit
		Brazil	No Established Limit
0001314-13-2	Zinc oxide	OSHA	5 mg/m3 TWA (fume); 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)10 mg/m3 STEL (fume)
		ACGIH	2 mg/m3 TWA (respirable particulate matter)10 mg/m3 STEL (respirable particulate matter)
		NIOSH	5 mg/m3 TWA (dust and fume)10 mg/m3 STEL (fume)15 mg/m3 Ceiling (dust)500 mg/m3 IDLH
		Supplier	No Established Limit
		OHSA, CAN	2 mg/m3 TWA (respirable)10 mg/m3 STEL (respirable)
		Mexico	2 mg/m3 TWA VLE-PPT (respirable fraction)10 mg/m3 STEL [PPT-CT] (respirable fraction)
		Brazil	No Established Limit
0001317-38-0	001317-38-0	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	0.1 mg/m3 TWA (fume, as Cu)
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0001317-39-1	Copper (I) oxide	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0007440-50-8	Copper	OSHA	0.1 mg/m3 TWA (fume); 1 mg/m3 TWA (dust and mist)
		ACGIH	0.2 mg/m3 TWA (fume)
		NIOSH	1 mg/m3 TWA (dust and mist); 0.1 mg/m3 TWA (fume)100 mg/m3 IDLH (dust, fume and mist)
		Supplier	No Established Limit
		OHSA, CAN	0.2 mg/m3 TWA (fume); 1 mg/m3 TWA (dust and mist)
		Mexico	0.2 mg/m3 TWA VLE-PPT (fume); 1 mg/m3 TWA VLE-PPT (dust and mist)
		Brazil	No Established Limit
0013463-67-7	Titanium dioxide (Non-respirable)	OSHA	15 mg/m3 TWA (total dust)
		ACGIH	10 mg/m3 TWA

Y6101_A5

		NIOSH	2.4 mg/m3 TWA (CIB 63, fine); 0.3 mg/m3 TWA (CIB 63, ultrafine, including engineered nanoscale)5000 mg/m3 IDLH
		Supplier	No Established Limit
		OHSA, CAN	10 mg/m3 TWA
		Mexico	10 mg/m3 TWA VLE-PPT
		Brazil	No Established Limit
0025852-37-3	2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit

Health Data

CAS No.	Ingredient	Source	Value
0000057-55-6	1,2-Propylene glycol	NIOSH	No Established Limit
0001314-13-2	Zinc oxide	NIOSH	Metal fume fever
0001317-38-0	001317-38-0	NIOSH	No Established Limit
0001317-39-1	Copper (I) oxide	NIOSH	No Established Limit
0007440-50-8	Copper	NIOSH	Upper respiratory irritation
0013463-67-7	Titanium dioxide (Non-respirable)	NIOSH	Lung tumors in animals
0025852-37-3	2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate	NIOSH	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000057-55-6	1,2-Propylene glycol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001314-13-2	Zinc oxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001317-38-0	001317-38-0	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001317-39-1	Copper (I) oxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007440-50-8	Copper	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0013463-67-7	Titanium dioxide (Non-respirable)	OSHA	Select Carcinogen: Yes
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0025852-37-3	2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory	Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.
Eyes	Avoid contact with eyes. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products. When there is a risk of ignition from static electricity, wear antistatic protective clothing and footwear. Any additional personal protective equipment or measures should be selected based on the risk assessment of the task being performed and should be approved by a specialist before handling this product.
Engineering Controls	Depending on the site-specific conditions of use, provide adequate ventilation.
Other Work Practices	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

9. Physical and chemical properties

Appearance	Coloured Liquid
Odor threshold	Not Measured
pH	9
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	38 (°C) 100 (°F)
Flash Point	93 (°C) 200 (°F)
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: .62 Upper Explosive Limit: No Established Limit
vapor pressure (Pa)	Not Measured
Vapor Density	Heavier than air
Specific Gravity	2.42
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	No Established Limit Not Measured
VOC %	Refer to the Technical Data Sheet or label where information is available.

10. Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No data available

11. Toxicological information

Acute toxicity

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr
Copper (I) oxide - (1317-39-1)	470.00, Rat - Category: 4	2,000.00, Rabbit - Category: 4	No data available	50.00, Rat - Category: NA
Zinc oxide - (1314-13-2)	5,000.00, Rat - Category: 5	No data available	No data available	2.50, Mouse - Category: 4
Titanium dioxide (Non-respirable) - (13463-67-7)	5,001.00, Mouse - Category: NA	10,000.00, Rabbit - Category: NA	No data available	6.82, Rat - Category: NA
1,2-Propylene glycol - (57-55-6)	22,000.00, Rat - Category: NA	2,001.00, Rabbit - Category: 5	105.00, Rat - Category: NA	No data available
2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate - (25852-37-3)	29,500.00, Rat - Category: NA	No data available	No data available	No data available
001317-38-0 - (1317-38-0)	2,500.00, Rat - Category: 5	2,001.00, Rat - Category: 5	No data available	No data available
Copper - (7440-50-8)	2,500.00, Rat - Category: 5	2,001.00, Rat - Category: 5	No data available	5.11, Rat - Category: NA

Item	Category	Hazard
Acute Toxicity (mouth)	4	Harmful if swallowed.
Acute Toxicity (skin)	5	May be harmful in contact with skin.
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	Not Classified	Not Applicable
Eye damage/irritation	1	Causes serious eye damage.
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	Not Classified	Not Applicable
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	Not Classified	Not Applicable
Specific target organ systemic toxicity (single exposure)	Not Classified	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Copper (I) oxide - (1317-39-1)	0.075, Danio rerio	0.042, Daphnia similis	0.03 (96 hr), Pseudokirchneriella subcapitata
Zinc oxide - (1314-13-2)	1.10, Oncorhynchus mykiss	0.098, Daphnia magna	0.042 (72 hr), Pseudokirchneriella subcapitata
Titanium dioxide (Non-respirable) - (13463-67-7)	294.00, Oryzias latipes	501.00, Daphnia magna	51.00 (72 hr), Pseudokirchneriella subcapitata
1,2-Propylene glycol - (57-55-6)	40,613.00, Oncorhynchus mykiss	18,340.00, Ceriodaphnia dubia	19,000.00 (96 hr), Pseudokirchneriella subcapitata
2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate - (25852-37-3)	Not Available	Not Available	0.00 (hr),
001317-38-0 - (1317-38-0)	25.40, Oncorhynchus mykiss	0.011, Daphnia magna	0.014 (72 hr), Pseudokirchneriella subcapitata
Copper - (7440-50-8)	0.0103, Pimephales promelas	0.0025, Daphnia magna	0.018 (72 hr), Pseudokirchneriella subcapitata

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available

13. Disposal considerations

13.1. Waste treatment methods

Do not allow spills to enter drains or watercourses.

Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. Transport information

14.1. UN number Not Regulated

14.2. UN proper shipping name Not Regulated

14.3. Transport hazard class(es)

DOT (Domestic Surface Transportation)

Proper Shipping Name Not Regulated

Hazard Class Not Regulated

UN / NA Number Not Regulated

Packing Group Not Regulated

IMO / IMDG (Ocean Transportation)

IMDG Proper Shipping Name Not Regulated

IMDG Hazard Class Sub Class Not Regulated Not applicable

IMDG Packing Group Not Regulated

CERCLA/DOT RQ NA gal. / NA lbs.

System Reference Code 9

- 14.4. Packing group Not Regulated
- 14.5. Environmental hazards
IMDG Marine Pollutant: Yes (Copper (I) oxide)
- 14.6. Special precautions for user
Not Applicable
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not Applicable

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification D2B E

DOT Marine Pollutants (10%):
(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%)
Copper

EPCRA 311/312 Chemicals and RQs (>.1%) :
Copper (5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diame)

EPCRA 302 Extremely Hazardous (>.1%) :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%) :
Copper

Mass RTK Substances (>1%) :
Copper
Titanium dioxide (Non-respirable)
Zinc oxide

Penn RTK Substances (>1%) :
Copper
1,2-Propylene glycol
Titanium dioxide (Non-respirable)
Zinc oxide

Penn Special Hazardous Substances (>.01%) :
(No Product Ingredients Listed)

RCRA Status:
(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :
Copper
1,2-Propylene glycol
Titanium dioxide (Non-respirable)
Zinc oxide

N.J. Special Hazardous Substances (>.01%) :
(No Product Ingredients Listed)

N.J. Env. Hazardous Substances (>.1%) :
Copper

Proposition 65 - Carcinogens (>0%):
Lead
Cadmium
Titanium dioxide (Non-respirable)

Proposition 65 - Female Repro Toxins (>0%):
Lead

Proposition 65 - Male Repro Toxins (>0%):

Lead

Cadmium

Proposition 65 - Developmental Toxins (>0%):

Lead

Cadmium

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

End of Document