

Safety Data Sheet  
FGLASS BKOTE AQUA RED



Bulk Sales Reference No.:  
SDS Revision Date:  
SDS Revision Number:

Sales  
Order: {SalesOrd}  
YBA549  
03/21/2014  
A5-4

### 1. Identification of the preparation and company

#### 1.1. Product identifier

Product Identity FGLASS BKOTE AQUA RED  
Bulk Sales Reference No. YBA549

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

Intended Use See Technical Data Sheet.  
Application Method See Technical Data Sheet.

#### 1.3. Details of the supplier of the safety data sheet

Company Name Akzo Nobel Coatings  
International Paint LLC  
6001 Antoine Drive  
Houston, TX 77095

#### Emergency

CHEMTREC (USA) (800) 424-9300  
International Paint (713) 527-3887  
Poison Control Center (800) 854-681  
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.  
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.

H410 Very toxic to aquatic life with long lasting effects.

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

P273 Avoid release to the environment.

P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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: 2

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 oxide (Cu <sub>2</sub> O) CAS Number: 0001317-39-1	25 - 50	Acute Tox. 4;H302 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1]
Zinc oxide CAS Number: 0001314-13-2	1.0 - 10	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1][2]
Iron oxide CAS Number: 0001309-37-1	1.0 - 10	----	[1][2]
1,2-Propylene glycol CAS Number: 0000057-55-6	1.0 - 10	----	[1]
Copper oxide CAS Number: 0001317-38-0	1.0 - 10	----	[1]

[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.
Chronic effects	Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

5. Fire-fighting measures
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## 5.1. Extinguishing media

SMALL FIRES: Use dry chemical, CO<sub>2</sub>, 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

Material may burn but does not ignite readily. Fire may produce irritating, corrosive and/or toxic gases. Containers may explode when heated.

## 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.

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6. Accidental release measures
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## 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
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## 7.1. Precautions for safe handling

Handling

Vapors may cause flash fire or ignite explosively.

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)

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
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## 8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000057-55-6	1,2-Propylene glycol	OSHA	
		ACGIH	
		NIOSH	
		Supplier	

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0001309-37-1	Iron oxide	OSHA, CAN	10 mg/m3 TWA (for assessing the visibility in a work environment where 1,2-Propylene glycol aer
		Mexico	
		Brazil	
		OSHA	10 mg/m3 TWA (fume); 15 mg/m3 TWA (total dust, listed under Rouge); 5 mg/m3 TWA (respirable fra
		ACGIH	5 mg/m3 TWA (respirable fraction)
		NIOSH	5 mg/m3 TWA (dust and fume, as Fe)2500 mg/m3 IDLH (dust and fume, as Fe)
		Supplier	
0001314-13-2	Zinc oxide	OSHA, CAN	5 mg/m3 TWA (respirable)
		Mexico	5 mg/m3 TWA LMPE-PPT10 mg/m3 STEL [LMPE-CT] (as Fe)
		Brazil	
		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 fraction)10 mg/m3 STEL (respirable fraction)
		NIOSH	5 mg/m3 TWA (dust and fume)10 mg/m3 STEL (fume)15 mg/m3 Ceiling (dust)500 mg/m3 IDLH
		Supplier	
0001317-38-0	Copper oxide	OSHA, CAN	2 mg/m3 TWA (respirable)10 mg/m3 STEL (respirable)
		Mexico	5 mg/m3 TWA LMPE-PPT (fume); 10 mg/m3 TWA LMPE-PPT (dust)10 mg/m3 STEL [LMPE-CT] (fume)
		Brazil	
		OSHA	
		ACGIH	
		NIOSH	0.1 mg/m3 TWA (fume, as Cu)
		Supplier	
0001317-39-1	Copper oxide (Cu2O)	OSHA, CAN	
		Mexico	
		Brazil	
		OSHA	
		ACGIH	
		NIOSH	
		Supplier	

## Health Data

CAS No.	Ingredient	Source	Value
0000057-55-6	1,2-Propylene glycol	NIOSH	
0001309-37-1	Iron oxide	NIOSH	Benign pneumoconiosis termed siderosis
0001314-13-2	Zinc oxide	NIOSH	Metal fume fever
0001317-38-0	Copper oxide	NIOSH	
0001317-39-1	Copper oxide (Cu2O)	NIOSH	

## 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;

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0001309-37-1	Iron oxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; 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	Copper 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;
0001317-39-1	Copper oxide (Cu <sub>2</sub> O)	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. 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, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Skin	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.
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	Red Liquid
Odour threshold	Not Measured
pH	No Established Limit
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	100 (°C) 212 (°F)
Flash Point	No Established Limit (°C) No Established Limit(°F)
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No Established Limit Upper Explosive Limit: No Established Limit
vapor pressure (Pa)	Not Measured
Vapor Density	Heavier than air
Specific Gravity	2.18
	Not Measured

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Partition coefficient n-octanol/water (Log Kow)

Auto-ignition temperature

Not Measured

Decomposition temperature

Not Measured

Viscosity (cSt)

No Established Limit

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

Material may burn but does not ignite readily. Fire may produce irritating, corrosive and/or toxic gases. Containers may explode when heated.

## 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 LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr
Copper oxide (Cu2O) - (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
Iron oxide - (1309-37-1)	10,000.00, Rat - Category: NA	No data available	No data available	No data available
1,2-Propylene glycol - (57-55-6)	20,000.00, Rat - Category: NA	20,800.00, Rabbit - Category: NA	105.00, Rat - Category: NA	No data available
Copper oxide - (1317-38-0)	470.00, Rat - Category: 4	No data available	No data available	No data available

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	Not Classified	Not Applicable
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	Not Classified	Not Applicable
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable

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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 oxide (Cu <sub>2</sub> O) - (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
Iron oxide - (1309-37-1)	Not Available	Not Available	Not Available
1,2-Propylene glycol - (57-55-6)	710.00, Pimephales promelas	10,000.00, Daphnia magna	Not Available
Copper oxide - (1317-38-0)	25.40, Oncorhynchus mykiss	0.011, Daphnia magna	0.014 (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)

DOT Proper Shipping Name Not Regulated

DOT Hazard Class Not Regulated

IMO / IMDG (Ocean Transportation)

IMDG Proper Shipping Name Not Regulated

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UN / NA Number	Not Regulated	IMDG Hazard Class	Not Regulated
DOT Packing Group	Not Regulated	Sub Class	Not applicable
CERCLA/DOT RQ	28113 gal. / 511247 lbs.	IMDG Packing Group	Not Regulated
		System Reference Code	9

14.4. Packing group Not Regulated

14.5. Environmental hazards

IMDG Marine Pollutant: Yes ( Copper oxide (Cu<sub>2</sub>O) )

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** Not Regulated

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

**DOT Severe Marine Pollutants (1%):**  
(No Product Ingredients Listed)

**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%) :**

Iron oxide

Zinc oxide

**Penn RTK Substances (>1%) :**

Iron oxide

1,2-Propylene glycol

Zinc oxide

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

**RCRA Status:**  
(No Product Ingredients Listed)

**N.J. RTK Substances (>1%) :**

Iron oxide

1,2-Propylene glycol

Zinc oxide

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

Ammonium hydroxide

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

Copper

**Proposition 65 - Carcinogens (>0%):**

Cadmium

Lead

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



Lead

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

Cadmium

Lead

Proposition 65 - Developmental Toxins (>0%):

Cadmium

Lead

16. Other information
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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.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

This is the first revision of this SDS format, changes from previous revision not applicable.

End of Document