SAFETY DATA SHEET

<1. Product and company identification >

Product Name MIZUKEI BOUJINTEX ALPHA
Reference No. 5451-0000
Company MIZUTANI PAINT CO., LTD.
Address 03-90, NISHIMIKUNI 4-CHOME YODOGAWA-KU, OSAKA, JAPAN
Section concerned Quality Assurance Dep.
Phone No. 06-6394-2653 FAX No. 06-6391-3429
Emergency contact Mizutani Paint Co., Ltd. Production Dep.
Emergency phone No. 06-6391-3151
Product type Water soluble acrylic resin paint
Principal use Building materials use, others
Date Jul.1, 2004
Revision day Dec. 15, 2015

<2. Hazards identification >

[GHS classification]
Flammable liquids : Not classified
Acute toxicity (oral) : Not classified
Acute toxicity (skin) : Not classified
Acute toxicity (inhalation: gas) : Classification not possible
Acute toxicity (inhalation: vapour) : Not classified
Acute toxicity (inhalation: dust, mist) : Not classified
Skin corrosion / irritation : Not classified
Serious eye damages / eye irritation : Category 2
Respiratory sensitization : Classification not possible
Skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Category 2
Reproductive toxicity : Not classified
Specific target organ toxicity single exposure : Not classified
Specific target organ toxicity: repeated exposure : Not classified
Aspiration hazard : Not applicable
Aquatic toxicity (acute) : Not classified
Aquatic toxicity (chronic) : Not classified
Hazardous to the ozone layer : Classification not possible

[GHS label elements including precautionary statements]

Signal word : WARNING

[Hazard statement]

- Causes serious eye irritation.
- Suspected of causing cancer.

[Precautionary statements]

【Prevention】

- Keep container tightly closed.
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use only outdoors or in well-ventilated area.
- Wash hands thoroughly after handling.
- Avoid release to the environment.

【Response】

- If in eyes: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a physician.
- If swallowed: Rinse mouth with water. Do not induce vomiting. Immediately call a physician.
- If on skin : Remove all contaminated clothing. Wash with plenty of soap and water.

・ Arrange medical treatment by a physician on injured skin and painful parts.
・ If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
・ If exposed or concerned, or if you feel unwell: Get medical advice/attention.
・ At the leakage: Collect spillage.

【Storage】
・ Store in a dry place. Keep container tightly closed in the locked place.

【Disposal】
・ Dispose of contents / container to waste in accordance with local / regional / national / international regulations (to be specified).

<3. Composition/information on ingredients >

Distinction of chemical or mixture : mixture
Hazardous, harmful element :

Chemistry substance name	CAS No.	Content(%)	Note
Titanium dioxide	13463-67-7	~ 20	
Synthetic iron oxide yellow	20344-49-4	~ 10	
Ferric oxide	1309-37-1	~ 5	
Phthalocyanine blue	147-14--8	~ 5	
Phthalocyanine green	1328-53-6	~ 5	
Carbon black	1333-86-4	~ 5	
Silica	7631-86-9	~ 1	
Ethylene glycol monobutyl ether	111-76-2	~ 1	

<4. First-aid measures >

Eye contact :
・Wash 15 minutes or more with plenty of clean water immediately. Wash completely to the reverse side of an eyelid.
・Receive the diagnosis of physician as soon as possible.

Skin contact :
・Wipe quickly clinging matter with clean cloth.
・Wash the affected area with plenty of running water using a mild soap or skin shampoo. Don't use solvents and thinner.
・Arrange medical treatment by a physician on injured skin and painful parts.

Inhalation :
・Remove the victim inhale solvent vapor and gasses in abundance to fresh air and keep in warm and quiet. If breathing is weak, irregular or has stopped, open his airway, loose his collar and belt and administer artificial respiration. Arrange medical treatment by a physician as soon as possible.
・Remove the victim inhale vapor and gasses of organic solvents and more to fresh air and keep quiet. Then, arrange medical care.

Ingestion :
・If swallow in the wrong, keep the victim quiet and arrange medical inspection by physician, immediately.
・Prevent to swallow the vomiting.
・Don't vomit things forcibly except dependence on the instruction of physician.

<5. Fire-fighting measures >

Extinction medicine : There is no combustion in this product.

<6. Accidental release measures >

・Wear proper protective equipment's (Gloves, protective mask, apron and goggles)
・Take up and place in closed container and keep in safety zone.
・Ensure treatment of the contaminated and waste in compliance with government requirements.
・Collects with the shovel, cloth slice, and etc. For large spills, dike for pollution further release.
・Be careful not to be exhausted to the river etc. and be careful not to cause the influence on the environment.

<7. Handling and storage >

Handling :
・Use only in the well-ventilated areas.
・Keep container tightly and closely.

Storage :
・Protect from direct sunlight.
・Store in a cool dry, well-ventilated location.
・When the product is kept, the temperature is not adjusted to 5℃ or less or 40℃ or more.

<8. Exposure controls/protection >

Exposure density of hazardous, harmful element :

Chemistry substance name	Management density	ACGIH (TLV)
Titanium dioxide	—	10 mg/m^3
Ethylene glycol monobutyl ether	25 ppm	20 ppm

Equipment requirement: Special measures are unnecessary.

Protection tool :

- Eye protection ; Wear protective goggles.
- Skin protection ; Wear impervious clothing such as gloves, apron and body suits.
- Respiratory protection ; Wear the mask which prevents mist being inhaled when the spray working.

<9. Physical and chemical properties >

Appearance :

- Form : Liquids
- Odor : Slightly acrylic odor

Specific temperatures/temperature ranges at which changes in physical sate occur :

- Density ; 1.05~ 1.25 g/cm^3
- pH ; 8 ~ 9
- Solubility ; It disperses to water.

<10. Stability and reactivity >

Stability :

- There is no problem in stability in preservation under the room temperature.

Hazardous polymerization reaction :

- The product is not polymerized.

Hazardous decomposition products ;

- The product doesn't burn. When the paint film is compulsorily burnt, CO and a harmful gas such as NOx might be generated.

<11. Toxicological information >

Serious eye damages / eye irritation : Category 2

Carcinogenicity : Category 2

<12. Ecological information >

- Note the handling of the leakage thing and waste because it might influence the environment.
- Deal so that neither the product nor the washing water may flow directly to ground, the river, and the drain ditch.
- Information is not possessed about decomposition, accumulation, and the fish toxicity of the product.

<13. Disposal considerations >

- Waste paints and opened containers should be asked to dispose with licensed industrial waste treatment company.
- Don't wash away the water used for cleaning of vessels and equipment into shower or water way.
- The wastes producing form process of water refining and of incineration should be disposed of in accordance with governmental laws and environmental control regulations or asked of dispose with licensed special company.

<14. Transport information >

General :

- Transport and store according to general caution and instructions in before mentioned comment.
- Load the product for the fall and no damage after it is confirmed that there is no leakage in the container.
- Do the collapse of cargo piles prevention surely.

Land transportation : It doesn't correspond to regulations.

Maritime transportation : It doesn't correspond to regulations.

Air transportation : It doesn't correspond to regulations.

U.N. Number : It doesn't correspond to regulations.

<15. Regulatory information >

Law of Industrial Safety and Hygiene.

<16. Other information >

The main quotation document :

- Japan Paint Manufacturers Association edit " The SDS label preparation guidebook corresponding to GHS"
- Japan Paint Manufacturers Association edit " The substance database for SDS"
- Solvent pocket book

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication. Nothing herein in to be construed as a warranty, express or implied.
In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

Composition table for Safety Data Sheet

Product Name	MIZUKEI BOUJINTEX ALPHA

	Chemistry substance				Content(%)			
Color name	①	②	③	④	⑤	⑥	⑦	⑧
WHITE	10 ~20	-	-	-	-	-	0.1~1	-
BLACK	-	-	-	-	-	1 ~ 5	-	0.1~1
OCHRE	-	5 ~10	-	-	-	-	-	0.1~1
RED RUST	-	-	1 ~ 5	-	-	-	-	0.1~1
NAVY BLUE	-	-	-	1 ~ 5	-	-	-	-
GREEN	-	-	-	-	1 ~ 5	-	-	0.1~1
YELLOW	-	-	-	-	-	-	-	0.1~1
RED	-	-	-	-	-	-	-	-
CLEAR	-	-	-	-	-	-	-	-
No.1 ORANGE BROWN	1 ~ 5	1 ~ 5	1 ~ 5	-	-	-	-	0.1~1
No.6 ORANGE	1 ~ 5	1 ~ 5	-	-	-	-	-	0.1~1
No.9 LIGHT GREEN	1 ~ 5	1 ~ 5	-	-	0.1~1	-	-	0.1~1
No.10 GREEN	-	1 ~ 5	-	-	1 ~ 5	-	-	0.1~1
No.16 LIGHT BEIGE	10 ~20	-	-	-	-	-	0.1~1	-
No.17 BEIGE	10 ~20	1 ~ 5	-	-	-	-	0.1~1	0.1~1
No.19 LIGHT GRAY	10 ~20	-	-	-	-	-	0.1~1	-
No.20 BROWN	-	-	1 ~ 5	-	-	-	-	0.1~1
No.21 FRESH GREEN	1 ~ 5	1 ~ 5	-	-	0.1~1	-	-	0.1~1
No.22 HARMONY GREEN	10 ~20	1 ~ 5	-	0.1~1	-	-	0.1~1	0.1~1
No.23 OLIVE	1 ~ 5	1 ~ 5	-	0.1~1	-	-	-	0.1~1
No.24 AQUA GRAY	10 ~20	-	-	-	-	-	0.1~1	-
No.25 BLUE GRAY	10 ~20	1 ~ 5	-	0.1~1	-	0.1~1	0.1~1	0.1~1
No.26 SAND BEIGE	5 ~10	1 ~ 5	-	-	-	-	0.1~1	0.1~1
No.27 MOCHA BROWN	1 ~ 5	1 ~ 5	-	-	-	-	-	0.1~1
No.28 GOLD BROWN	1 ~ 5	-	1 ~ 5	-	-	-	-	0.1~1
No.30 FEVER GREEN	1 ~ 5	1 ~ 5	-	-	1 ~ 5	-	-	0.1~1
No.32 GRAY	10 ~20	-	-	-	-	0.1~1	0.1~1	-
WHITE FOR LINE	10 ~20	-	-	-	-	-	0.1~1	-
YELLOW FOR LINE	1 ~ 5	-	-	-	-	-	-	0.1~1

Chemistry substance name :
① Titanium dioxide
② Synthetic iron oxide yellow
③ Ferric oxide
④ Phthalocyanine blue
⑤ Phthalocyanine green
⑥ Carbon black
⑦ Silica
⑧ Ethylene glycol monobutyl ether