

01727-XXXX

SAFETY DATA SHEET

Issuing Date	6/1/2017	Revision Date	6/1/2017	Revision Number	
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1. IDENTIFICATION

Product Identifier	
Product Name	NPWC16, NPWC21
Other means of identification	
Synonyms	NONE
Recommended use of the chemical and restrictions on use	
Recommended use	Artistic Medium
Uses advised against	No information available
Details of the supplier of the safety data sheet	
Supplier Name	American KUSA Corporation
Supplier Address	3740 Skypark Dr Torrance CA 90505
Supplier Phone Number	310-791-1995
Supplier Email	csr@yasutomo.com
Emergency telephone number	911

2. HAZARDS IDENTIFICATION**Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Carinogenicity	Category 1A
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GHS Label elements, including precautionary statements**Emergency Overview****Signal word** Danger**Hazard Statements**

May cause cancer



Appearance	Multiple Colors	Physical State	Solid	Odor	
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Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazard not otherwise classified (HNOC)

NA

Unknown Toxicity

31.6% of the mixture consists of ingredient(s) of unknown toxicity

Other information

No information available

Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trad
Mica	12001-26-2	10-30%	
Titanium Dioxide	13463-67-7	5-10%	
Pigment green 36	14302-13-7	1-5%	
Phthalocyanine green	1328-53-6	1-5%	
Phthalocyanine blue	147-14-8	1-5%	
Methyl violet	1325-82-2	1-5%	
Manganese, [4-[(4-chloro-3-sulfophenyl) azo]-3-hydroxy-2-naphthalenecarboxylato(2-)]-	64552-28-9	1-5%	
Cuprate(2-), [29H, 31H-phthalocyanine-C, C-disulfonato(4-)-N29, N30, N31, N32]-, barium (1:1)	67340-41-4	1-5%	
Carbon Black	1333-86-4	1-5%	
Butanamide, 2, 2'-[[2,3'-dichloro[1,1'-biphenyl]-4, 4'-diyl	5468-75-7	1-5%	
3H-Pyrazol-3-one, 4, 4'-[[3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl] bis(azo)] bis[2,4-dihydro-5-methyl-2-phenyl-	3520-72-7	1-5%	

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First aid measures**

Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Skin Contact Wash with soap and water.

Inhalation Remove to fresh air.

Ingestion Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Most important symptoms and effects No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available

Hazardous Combustion Products

Carbon oxides.

Explosion Data**Sensitivity to Mechanical Impact** No.**Sensitivity to Static Discharge** No.**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions** Avoid contact with eyes.**Other information** Refer to protective measures listed in Sections 7 and 8**Environmental Precautions****Environmental Precautions** Refer to protective measures listed in Sections 7 and 8.**Methods and material for containment and cleaning up****Methods for Containment** Prevent further leakage or spillage if safe to do so.**Methods for cleaning up** Pick up and transfer to properly labeled containers.**7. HANDLING AND STORAGE****Precautions for safe handling****Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes not eat, drink or smoke when using this product. Take off contaminated clothing and wash before re**Conditions for safe storage, including any incompatibilities****Storage** Keep container tightly closed.**Incompatible products** None known based on information supplied.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Mica 12001-26-2	TWA: 3 mg/m ³	TWA: 20 mppcf (<1% crystalline silica) mg/m ³ (vacated)	IDLH: 1500 mg/m ³ TWA: 3 mg/m ³
Titanium Dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 500 mg/m ³
Pigment green 36 14302-13-7	TWA: 1mg/m ³ Cu dust and mist	-	IDLH: 100mg/m ³ 1 mg/m ³ Cu dust
Phthalocyanine green 1328-53-6	TWA: 1mg/m ³ Cu dust and mist	-	IDLH: 100mg/m ³ 1 mg/m ³ Cu dust
Phthalocyanine blue 147-14-8	TWA: 1mg/m ³ Cu dust and mist	-	IDLH: 100mg/m ³ 1 mg/m ³ Cu dust
Manganese, [4-[(4-chloro-3-sulfophenyl) azo]-3-hydroxy-2-naphthalenecarboxylato(2-)]- 64552-28-9	-	(vacated) Ceiling: 5 mg/m ³ Ceiling: 5 mg/m ³ Mn	IDLH: 50 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³
Cuprate(2-), [29H, 31H-phthalocyanine-C, C-disulfonato(4-)-N29, N30, N31, N32]-, barium (1:1) 67340-41-4	TWA: 0.5 mg/m ³ Ba TWA: 1 mg/m ³ Cu dust and mist	TWA: 0.5 mg/m ³ Ba (vacated) TWA: 0.5 mg/m ³ Ba	IDLH: 100 mg/m ³ TWA: 0.5 mg/m ³ TWA: 1 mg/m ³
Carbon Black 1333-86-4	TWA: 3 mg/m ³ Cu inhalable fraction	TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³	IDLH: 1 mg/m ³ TWA: 0.1 mg/m ³ presence of P hydroc

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 962 (11th Cir., 1992) See section 15 for national exposure control parameters.

Appropriate engineering controls**Engineering Measures**

Showers, Eyewash stations, Ventilation systems

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

No special protective equipment required.

Skin and Body Protection

Wear protective gloves and protective clothing.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation measures should be used. Do not eat, drink or smoke when using this product. Wash hands before breaks and after handling the product.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid

Appearance Multiple Colors

Color No information available

Odor Characteristic

Odor Threshold No information available

Property**Values****Remarks Method**

pH

No data available

None known

Melting/Freezing point

No data available

None known

Boiling point / boiling range

No data available

None known

Flash Point

No data available

None known

Evaporation Rate

No data available

None known

Flammability (solid, gas)

No data available

None known

Flammability Limit in Air

Upper flammability limit

No data available

Lower flammability limit

No data available

Vapor pressure

No data available

None known

Vapor density

No data available

None known

Specific Gravity

No data available

None known

Water Solubility

Soluble in water

None known

Solubility in other solvents

No data available

None known

Partition coefficient:

No data available

None known

Autoignition temperature

No data available

None known

Decomposition temperature

No data available

None known

Kinematic viscosity

No data available

None known

Dynamic viscosity

No data available

None known

Explosive properties

No data available

Oxidizing Properties

No data available

Other Information

Softening Point

No data available

VOC Content (%)

No data available

Particle Size

No data available

Particle Size Distribution

10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	Specific test data for the substance or mixture is not available.
Eye Contact	Specific test data for the substance or mixture is not available.
Skin Contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhala
Titanium Dioxide 13463-67-7	> 10000 mg/kg (Rat)	–	
Phthalocyanine green 1328- 53-6	> 3000 mg/kg (Rat)	–	
Carbon Black 1333-86-4	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	C
Titanium Dioxide 13463-67-7		Group 2B		
Carbon Black 1333-86-4	A3	Group 2B		
Butanamide, 2, 2'-[(2,3'- dichloro[1,1'-biphenyl]-4, 4'-diyl 5468-75-7		Group 1	Known	
3H-Pyrazol-3-one, 4, 4'-[(3,3'- dichloro[1,1'-biphenyl]-4,4'-diyl) bis(azo)] bis[2,4-dihydro-5-methyl-2- phenyl- 3520-72-7		Group 1	Known	

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP (National Toxicology Program)*Known - Known Carcinogen***OSHA (Occupational Safety and Health Administration of the US Dept of Labor)***X - Present*

Reproductive Toxicity	No information available
STOT - single exposure	No information available
STOT - repeated exposure	No information available
Chronic Toxicity	Contains a known or suspected carcinogen. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

Target Organ Effects Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Bladder. Blood. Nervous System (CNS). Kidney. Liver. Lungs. Lymphatic System.

Aspiration Hazard No information available

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)

18,587.00 mg/kg

ATEmix (inhalation-dust/mist)

78.90 mg/l

ATEmix (inhalation-vapor)

579.00 ATEmix

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Neofasciata
Phthalocyanine green 1328-53-6		96h LC50: = 752.4 mg/L (Lepomis macrochirus)	EC50 > 10000 mg/L 30 min	24h EC50
Phthalocyanine blue 147-14-8		48h LC50: > 100 mg/L (Oryzias latipes)		
Carbon Black 1333-86-4				24h EC50

Persistence and Degradability

No information available.

Bioaccumulation

Chemical Name	Log Pow
Phthalocyanine blue 147-14-8	6.6

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal methods Dispose of contents/containers in accordance with local regulations.

Contaminated Packaging

Do not reuse empty containers.

California Hazardous Waste Codes

135

This product contains one or more substances that are listed with the State of California as a hazardous waste

Chemical Name	California Hazardous Waste

Pigment green 36	14302-13-7	Toxic
Phthalocyanine green	1328-53-6	Toxic
Phthalocyanine blue	147-14-8	Toxic
Cuprate(2-), [29H, 31H-phthalocyanine-C, C-disulfonato(4-)-N29, N30, N31, N32]-, barium (1:1)	67340-41-4	Toxic Toxic Soluble

14. TRANSPORT INFORMATION

DOT	Not Regulated
TDG	Not Regulated
MEX	Not Regulated
ICAO	Not Regulated
IATA	Not Regulated
IMDG/IMO	Not Regulated
RID	Not Regulated
ADR	Not Regulated
AND	Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight - %	SARA 313 - T %
Pigment Green	14302-13-7	1-5%	
Phthalocyanine green	1328-53-6	1-5%	
Phthalocyanine blue	147-14-8	1-5%	
Manganese, [4-[(4-chloro-3-sulfophenyl) azo]-3-hydroxy-2-naphthalenecarboxylato(2-)]-	64552-28-9	1-5%	
Cuprate(2-), [29H, 31H-phthalocyanine-C, C-disulfonato(4-)-N29, N30, N31, N32]-, barium (1:1)	67340-41-4	1-5%	

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Sub.
Pigment Green		X		
Phthalocyanine green		X		
Phthalocyanine blue		X		
Cuprate(2-), [29H, 31H-phthalocyanine-C, C-disulfonato(4-)-N29, N30, N31, N32]-, barium (1:1)		X		

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local level pertaining to release of this material.

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Ill
Mica 12001-26-2	X	X	X		
Titanium Dioxide 13463-67-7	X	X	X		
Carbon Black 1333-86-4	X	X	X		

International Regulations

Mexico

National Occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Mica 12001-26-2 (10-30)		Mexico: TWA = 3 mg/m ³
Titanium Dioxide 13463-67-7 (5-10)		Mexico: TWA = 10 mg/m ³ Mexico: STEL = 20 mg/m ³
Cuprate(2-), [29H, 31H-phthalocyanine-C, C-disulfonato(4-)-N29, N30, N31, N32]-, barium (1:1) 67340-41-4 (1-5)		Mexico: TWA = 0.5 mg/m ³
Carbon Black 1333-86-4 (1-5)		Mexico: TWA = 3.5 mg/m ³ Mexico: STEL = 7 mg/m ³

Mexico - Occupational Exposure Limits - Carcinogens

Canada

WHMIS Hazard Class

D2A - Very toxic materials



16. OTHER INFORMATION						
NFPA	Health Hazards	1	Flammability	0	Instability	0
	Physical and Chemical Ha					

HMIS Health Hazards 1* Flammability 0 Physical Hazard 0 Personal Protection X

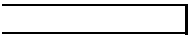
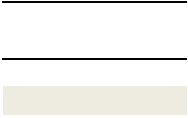
Chronic Hazard Star Legend * = Chronic Health Hazard

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specificatic 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 sp

End of Safety Data Sheet

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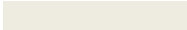
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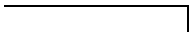
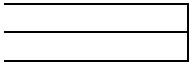
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: >5600 mg/L





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