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GRUMBACHER

Safety Data Sheet (IAW 29 CFR 1910 (OSHA HCS))

CHARTPAK INC.

Grumbacher Academy Watercolor Paints

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

CHARTPAK INC.
ONE RIVER ROAD
LEEDS, MA

Contact:	TECHNICAL DIRECTOR
Phone:	413-584-5446
Email:	bwillard@chartpak.com

Product Name:	Grumbacher Academy Watercolor Paints
Revision Date:	9/15/2015
Version:	1 (Added Relgulatory and Property Information)
SDS Number:	Grumbacher Academy Watercolor Paints
Common Name:	Watercolor Pigmented Dispersion
Product Use:	Watercolor Artist Paint (Various Colors)

INCLUDES PRODUCTS: AWC-R-014G, 1465 RED SPEED OPAQUE; AWC-R-003G, A001 WC ACADEMY ALIZARIN CRIM; AWC-Y-003G, A005 ACAD WC ALIZARIN ORANGE; AWC-N 001G, A023 ACAD WC BURNT SIENNA; AWC-N-004G, A024 ACAD WC BURNT UMBER; AWC-Y-004G, A025 ACAD WC CAD ORANGE HUE; AWC-R-002G, A026 ACAD WC CAD RED DEEP HUE; AWC-R-006G, A027 ACAD.WC CAD.RED LT HUE; AWC-R-007G, A029 ACAD.WC CAD.RED MD HUE; AWC-Y-005G, A031 ACAD WC CAD YELLOW DP HUE; AWC-Y 006G, A034 ACAD WC CAD YELLOW MD HUE; AWC-Y-011G, A036 ACAD WC CAD YEL PALE HUE; AWC-R-004G, A038 WC ACADEMY CARMINE; AWC-L-004G, A039 ACAD WC CERULEAN BLUE; AWC-A-003G, A042 WC ACAD CHARCOAL GRAY; AWC-G-012G, A048 ACAD. WC CHROM OX GREEN; AWC-L-005G, A049 ACAD WC COBALT BLUE; AWC-A-004G, A064 ACAD WC DAVY'S GRAY; AWC-G-013G, A067 ACAD. WC EMERALD GREEN; AWC-Y-012G, A077 ACADEMY WC GAMBOGE; AWC-R-016G, A078 ACAD.WC GERANIUM LAKE; AWC-Y-007G, A081 ACAD WC GOLDEN YELLOW; AWC-G-003G, A085 ACADEMY WC GREEN EARTH; AWC-R-009G, A095 ACAD.WC GRUMBACHER RED; AWC G-011G, A106 ACAD. WC HOOKERS GREEN DP; AWC-G-009G, A107 ACAD. WC HOOKERS GREEN; AWC-R-008G, A110 ACAD.WC INDIAN RED; AWC-Y-002G, A111 ACADEMY W INDIAN YELLOW; AWC-L-001G, A112 WC ACADEMY INDIGO; AWC-B-002G, A115 ACADEMY WC IVORY BLACK; AWC-B-001G, A116 ACADEMY WC LAMPBLACK; AWC-Y-008G, A118 ACAD WC LEMON YELLOW; AWC-R-001G, A120 ACAD WC LIGHT RED; AWC-G-010G, A133 ACAD. WC MANGANESE GREEN; AWC-V-002G, A139 ACADEMY WC MAUVE; AWC-Y-009G, A146 ACAD WC NAPLES YELLOW; AWC-G-005G, A150 ACADEMY WC OLIVE GREEN; AWC-A-002G, A156 WC ACAD PAYNE'S GRAY; AWC-G-006G, A162 ACAD. W PERM GREEN LT; AWC-R-017G, A163 ACAD.WC PERYLENE MAROON; AWC-L-006G, A168 WC ACADEMY PRUSSIAN BLUE; AWC-N-002G, A171 ACADEMY WC RAW SIENNA; AWC-N-005G, A172 ACAD WC RAW UMBER; AWC-R-010G, A182 ACAD.WC ROSE MADDER; AWC-G-007G, A187 ACADEMY WC SAP GREEN; AWC-R-015G, A189 ACADEMY WC SCARLET LAKE; AWC-N-006G, A192 ACAD WC SEPIA; AWC-L-002G, A203 WC ACADEMY THALO BLUE; AWC-R-011G, A204 ACAD.WC THALO CRIMSON; AWC-G-002G, A205 ACAD. WC THALO GREEN; AWC-R-012G, A207 ACAD.WC THALO RED; AWC-G-001G, A210 ACAD. WC THALO YELLOW GRN; AWC-V-001G, A211 ACADEMY WC THIO VIOLET; AWC-L-007G, A213 ACAD WC TURQUOISE; AWC-L-003G, A219 WC ACAD ULTRA BLUE; AWC-N-007G, A222 ACAD WC VAN DYCK BROWN; AWC-R-013G, A224 ACAD.WC VERMILLION; AWC-V-003G, A229 ACADEMY WC VIOLET; AWC-G-008G, A232 ACADEMY WC VIRIDIAN; AWC-Y-010G, A242 ACAD WC YELLOW OCHRE;

Emergency Telephone: Poison Control: 1-800-222-1222
Chemtrec: (Contract CCN4391)
24 Hour: North America/US: 1-800-424-9300
24 Hour: International: +01-703-527-3887

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):
no GHS classifications indicated

GHS Label elements, including precautionary statements

GHS Signal Word: NONE

no GHS pictograms Indicated for this product

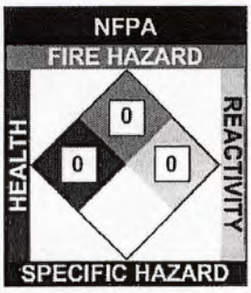
GHS Hazard Statements:

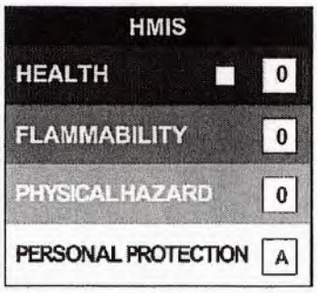
no GHS hazards statements indicated

GHS Precautionary Statements:

P264 - Wash _ thoroughly after handling.
P273 - Avoid release to the environment.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P330 - Rinse mouth.

NFPA: Health = 0, Fire = 0, Reactivity = 0, Specific Hazard = n/a
HMIS III: Health = 0, Fire = 0, Physical Hazard = 0
HMIS PPE: A - Safety Glasses





3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
57-55-6	00.50-06.25%	Propylene glycol
9016-45-9	00.00-00.15%	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-
Trade Secret	01.20-09.50%	Non Hazardous Pigments
Trade Secret	79.50-89.50%	Non Hazardous Additives, Surfactants, Wetting Agents, and Resins

4 FIRST AID MEASURES

Inhalation: N/A
Skin Contact: Non toxic and non-irritant
Eye Contact: May be physically abrasive, Flush with large amounts of water.
Ingestion: Not considered dangerous.

5 FIRE FIGHTING MEASURES

Flash Point: N/E
Non Flammable

6 ACCIDENTAL RELEASE MEASURES

Pick up excess with inert absorbant material and place into separate waste container. Although non-toxic, the colorant and pigment contained in the these paints will cause alarm downstream. Do not dispose of without consulting local waste disposal authorities.

7 HANDLING AND STORAGE

Handling Precautions: Launder contaminated clothing.

Storage Requirements: Store in cool/dry area. This paint contains sugars and eventually will be a foodsource for molds and bacterial contaminants.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use normal good housekeeping rules and clean up with water after use.

Personal Protective Equipment: Propylene glycol (57-55-6) [00.50-06.25%]

Personal protective equipment: None

Skin and body protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- (9016-45-9) [00.00-00.15%]

Personal protective equipment:

Eye/face protection: Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordence with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M)

Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

HMIS PP, A | Safety Glasses

Propylene glycol (57-55-6) [00.50-06.25%]

Components with workplace control parameters

TWA	10 mg/m3	USA. Workplace Environmental Exposure Levels (WEEL)

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- (9016-45-9) [00.00-00.15%] : no data available

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Various Colors (Viscious liquid)		
Physical State:	Liquid	Solubility:	Soluble in Water
Particle Size:	>7.0 Hegman	Percent Volatile:	N/A
Spec Grav./Density:	Range from 1.376 to 2.656	Heat Value:	N/E
Viscosity:	35K-50K CPS	Flash Point:	N/E (Waterbased paint)
		VOC:	N/E

10 STABILITY AND REACTIVITY

Reactivity:	Non-reactive under normal conditions. This material is waterbased.
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Avoid high heat to proplong life of material.
Materials to Avoid:	Not known
Hazardous Decomposition:	Not known.
Hazardous Polymerization:	Not known

11 TOXICOLOGICAL INFORMATION

Propylene glycol (57-55-6) [00.50-06.25%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 20,000 mg/kg

Inhalation LC50 no data available

Dermal LD50 LD50 Dermal - rabbit - 20,800 mg/kg

Other information on acute toxicity LD50 Intramuscular - rat - 14 g/kg

LD50 Intravenous - dog - 26 g/kg

LD50 Intraperitoneal - rat - 6,660 mg/kg

LD50 Subcutaneous - rat - 22,500 mg/kg

LD50 Intravenous - rat - 6,423 mg/kg

LD50 Intraperitoneal - mouse - 9,718 mg/kg

Remarks: Lungs, Thorax, or Respiration:Chronic pulmonary edema. Kidney, Ureter, Bladder:Changes in both tubules and glomeruli. Blood:Changes in spleen.

LD50 Subcutaneous - mouse - 17,370 mg/kg

Remarks: Behavioral:Change in motor activity (specific assay). Behavioral:Muscle contraction or spasticity. Cyanosis

LD50 Intravenous - mouse - 6,630 mg/kg

LD50 Intravenous - rabbit - 6,500 mg/kg

Skin corrosion/irritation: Skin - Human - Mild skin irritation - 7 d

Serious eye damage/eye irritation: Eyes - rabbit - Mild eye irritation

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicit

Specific target organ toxicity - single exposure (Globally Harmonized System):

no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazar

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Gastrointestinal disturbance, Nausea, Headache, Vomiting, Central nervous system depression

Synergistic effects: no data available

Additional Informatio RTECS: TY2000000

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- (9016-45-9) [00.00-00.15%]

Information on toxicological effects

Acute toxicity: no data available
Inhalation: no data available
Dermal: no data available
Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation
Serious eye damage/eye irritation: Eyes - rabbit Result: Severe eye irritation
Respiratory or skin sensitisation: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Germ cell mutagenicity: no data available
Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity: no data available
Specific target organ toxicity - single exposure: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: Additional Information:
RTECS: AX0247000
Nausea, Headache, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Propylene glycol (57-55-6) [00.50-06.25%]
Information on ecological effects
Toxicity:
Toxicity to fish mortality NOEC - Pimephales promelas (fathead minnow) - 52,930 mg/l - 96 h.
Toxicity to daphnia mortality NOEC - Daphnia - 13,020 mg/l - 48 h.
and other aquatic invertebrates
EC50 - Daphnia magna (Water flea) - > 10,000 mg/l - 48 h
Persistence and degradability: no data available
Bioaccumulative potential: no data available
Mobility in soil: no data available
PBT and vPvB assessment: no data available
Other adverse effects: no data available

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- (9016-45-9) [00.00-00.15%]
Information on ecological effects
Toxicity:
Toxicity to fish mortality LOEC - Pimephales promelas (fathead minnow) - 2.0 mg/l - 144 h.
mortality NOEC - Pimephales promelas (fathead minnow) - 1.8 mg/l - 144 h
LC50 - Lepomis macrochirus (Bluegill) - 1.0 - 9.7 mg/l - 96 h
Toxicity to daphnia and mortality NOEC - Daphnia magna (Water flea) - 10.0 mg/l - 144 h.
other aquatic invertebrates
mortality LOEC - Daphnia magna (Water flea) - 20.0 mg/l - 144 h
EC50 - Daphnia magna (Water flea) - - 17.0 mg/l - 48 h
Toxicity to algae Growth inhibition LOEC - Pseudokirchneriella subcapitata - 16.0 mg/l - 96 h.
Growth inhibition NOEC - Pseudokirchneriella subcapitata - 8.0 mg/l - 96 h
Persistence and degradability: Biodegradability Result: 86 % - Readily biodegradable. (Modified Sturm Test)
Bioaccumulative potential: Does not bioaccumulate.
Mobility in soil: no data available
Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

13 DISPOSAL CONSIDERATIONS

Propylene glycol (57-55-6) [00.50-06.25%]
Waste treatment methods
Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging: Dispose of as unused product.

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- (9016-45-9) [00.00-00.15%]
Waste treatment methods
Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

14	TRANSPORT INFORMATION

Not regulated

15	REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Propylene glycol (57-55-6) [00.50-06.25%] HAP, PA, TSCA

Regulatory CODE Descriptions

HAP = Hazardous Air Pollutants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act

16	OTHER INFORMATION

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

<END OF MSDS>