SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION:

Product name: SILICONE SEALANT- COLORS
Product Code(s): KK0201 (aluminum), KK0202, KK0202-B & KK0309 (black), KK0207
Recommended use: (white) Silicone Sealant and Adhesive
Restrictions on use: No further information available

Manufacturer:
Imperial Manufacturing Group Inc.
40 Industrial Park Street
Richibucto, NB, Canada
E4W 4A4
Tel: (905)-829-5888
www.imperialgroup.ca

Emergency telephone: (24 hours) Canutec (613) 996-6666 (Collect)

SECTION 2 – HAZARDS INDENTIFICATION:

GHS Classification:
Eye irritation – Category 2B
Skin irritation – Category 2
Skin sensitization – Category 1B
Carcinogenicity – Category 2

GHS Label elements:

Hazard symbols:

Signal word: Warning

Hazard statements:
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes eye irritation
H351 Suspected of causing cancer

Precautionary statements:

Prevention:
P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust, fume or vapors.
P262 Do not get in eyes, on skin or on clothing.
P264 Wash hands and other skin areas thoroughly after handling
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response :
P302+P352+P333+P313 If on skin, wash with plenty of soap and water.If skin irritation or rash occurs, get medical attention.
P305+P351+P338 If in eyes, rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+P313 If exposed or concerned: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash it before reuse.

Storage:
P405+P403 Store locked up. Store in a well-ventilated place.

Disposal:
P501 Dispose of contents and container in accordance with applicable local, regional, national and international regulations.

Other hazards: None known

Supplemental information: 95% of the mixture consists of component(s) of unknown acute inhalation toxicity.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS:

Substance/Mixture: Mixture

Chemical Name	CAS No.	Concentration (%)
Silicone Dioxide	7631-86-9	5.0 – 10.0
Distillates (Petroleum), Hydrotreated Middle	64742-46-7	5.0 – 10.0
Pigmented sealants may contain:		
Carbon Black	1333-86-4	0.1 – 1.0
Titanium Dioxide	13463-67-7	0.1 – 1.0
Pigment Blue 15	147-14-8	1.0 – 5.0
Iron Oxide	1309-37-1	1.0 – 5.0

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

SECTION 4 - FIRST AID MEASURES:

Eye contact: Flush with copious quantities of lukewarm water for at least 15 minutes. Do not attempt to physically remove the solids or gums from the eye. Seek medical attention immediately if irritation persists.

Skin contact: Remove contaminated clothing. Wash thoroughly with warm water and non-abrasive soap. Seek medical attention if you feel ill or a reaction develops.

Inhalation: Remove to fresh air and provide water. Seek medical attention if you feel ill or a reaction develops.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms/effects, acute and delayed: None known.

Indication of immediate medical attention and special treament needed: Provide general supportive measures and treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES:

Suitable extinguishing media: Carbon dioxide, dry chemical, water fog or foam. Water can be used to cool fire exposed containers.

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical: Exposure to combustion products such as carbon oxides, silicone oxides and formaldehyde may be hazard to health.

Special protective equipment and precautions for fire fighters: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan.

SECTION 6 – ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures: Follow safe handling advice and personal protective equipment recommenation in Section 8.

Environment precautions: Discharged into the environment must be avoided. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up: Restrict access to the area of the spill. Provide ventilation, NIOSH/MHSA approved respirator and protective clothing. Scrape up sealant and place in

container for disposal. Clean area as appropriate since silicone materials can represent a slip hazard. Cleaning may require steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Local, state, provincial, federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup.

SECTION 7 – HANDLING AND STORAGE:

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage, including any incompatibilities: Store in an adequately ventilated area under dry conditions between 50°F (10°C) to 77°F (25°C) and keep container tightly sealed when not in use. Do not store with strong oxidizing agents.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION:

Control Parameters:

Ingredient	CAS No.	Value Type (form of exposure)	Control parameters/ Permissible concentration	Basis
Silicone Dioxide	7631-86-9	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m^3/%SiO2 (Silica)	OSHA Z-3
		TWA	6 mg/m^3 (Silica)	NIOSH REL
Distillates (Petroleum), Hydrotreated Middle	64742-46-7	TWA (Mist)	5 mg/m^3	OSHA Z-1
		TWA (Mist)	5 mg/m^3	OSHA P0
		TWA (Mist)	5 mg/m^3	NIOSH REL
		ST (Mist)	10 mg/m^3	NIOSH REL
Carbon Black	1333-86-4	TWA	3.5 mg/m^3	NIOSH REL
		TWA	3.5 mg/m^3	OSHA Z-1
		TWA (Inhalable fraction)	3 mg/m^3	ACGIH
Titanium Dioxide	13463-67-7	TWA	15 mg/m^3	OSHA PEL
		TWA	10 mg/m^3	ACGIH TLV
Iron Oxide	1309-37-1	TWA	10 mg/m^3	OSHA PEL
		TWA (Respirable fraction)	5 mg/m^3	ACGIH TLV
Pigment Blue 15	147-14-8	TWA	1 mg/m^3	OSHA PEL
		TWA	1 mg/m^3	ACGIH TLV

Engineering controls: Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Use respiratory protection unless local exhaust ventilation is provided or exposures are within guidelines.

Personal protective equipment: Safety glasses with side-protection, impermeable gloves (e.g., neoprene, nitrile, silver shield (R)), coveralls or apron are important in preventing contamination of eyes, skin and clothing. Wash thoroughly after handling.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Paste, thixotropic sealant
Odor:	Acetic acid
Odor threshold:	Not available
pH (ASTM D1293):	3.2
Melting point/Freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	>212°F (100°C) Closed Cup Method
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not classified as a flammability hazard
Upper flammability or explosion limit:	Not available
Lower flammability or explosion limit:	Not available
Vapor pressure:	Not applicable
Vapor density:	Not available
Specific gravity:	1.01
Solubility:	Not available
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not applicable
Acid Reserve, g NaOH/100 g (CCCR 2001, Sections 43 and 44):	0.17
Volatile Organic Content:	30 grams per liter, <3% by weight (Chemically Curing Sealants and Caulks – CARB Method 310: VOC less water, less exempt compounds and LVP-VOCs).

SECTION 10 – STABILITY AND REACTIVITY:

Reactivity:	Not classified as a reactivity hazard.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Use at elevated temperatures may form highly hazardous compounds. At above 150°C (300°F) in the presence of air, trace quantities of formaldehyde may be released. Acetic acid is formed upon contact with water or humid air.
Conditions to avoid:	Moisture and incompatible materials.
Incompatible materials:	Strong oxidizing agents or electrophiles (e.g. ferric chloride). Concentrated acids or bases can degrade the silicone polymer.
Hazardous decomposition products:	Carbon oxides, silicone dioxide, metal oxides, formaldehyde and traces of incompletely burned carbon products.

SECTION 11 - TOXICOLOGICAL INFORMATION:

Information on the likely routes of exposure:

Inhalation:	Prolonged inhalation may be harmful.
Ingestion:	May be harmful if swallowed.
Skin contact:	May cause an allergic skin reaction.
Eye contact:	May cause eye irritation on direct contact.

Symptoms related to the physical, chemical and toxicological characteristics:

May cause an allergic skin reaction. Suspected of causing cancer. Although the carbon black (CAS# 1333-86-4) is encapsulated by the silicone sealant, prolonged overexposure to carbon black dust causes lung fibrosis. Although the titanium dioxide (CAS# 13463-67-7) is encapsulated by the silicone sealant, prolonged overexposure to titanium dioxide dust causes tightness pain in the chest, coughing and difficulty breathing.

Acute toxicity:

Silicone Dioxide (CAS# 7631-86-9):
LD50 (Oral-Rat): >3300 mg/kg
LC50 (Inhalation-Rat): >2.08 mg/L (4 hrs.)
LD50 (Dermal-Rabbit): >5000 mg/kg

Distillates(Petroleum), Hydrotreated Middle (CAS# 64742-46-7):
LD50 (Oral-Rat): >5000mg/kg
LC50 (Inhalation-Rat): 1.78 mg/L (4 hrs.)
LD50 (Dermal-Rat): >2000 mg/kg.

Carbon Black (CAS# 1333-86-4):
LD50 (Oral-Rat): 14,400mg/kg.

Titanium Dioxide (CAS# 13463-67-7):
LD50 (Oral-Rat): 24,000 mg/kg

Pigment Blue 15 (CAS# 147-14-8):
LD50 (Oral-Rat): >10,000mg/kg.

Skin corrosion/irritation: May cause skin irritation.
Serious eye damage/irritation: May cause eye irritation.
Aspiration hazard: Not classified based on available information.
Distillates (petroleum), hydrotreated middle (CAS# 64742-46-7) is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.
Specific target organ toxicity - single exposure: Not classified based on available information.
Specific target organ toxicity – repeated exposure: Not classified based on available information.
Respiratory or skin sensitization: Not classified based on available information.

Carcinogenicity: No ingredients considered by IARC, NTP or OSHA to be carcinogens except in the pigmented sealants which may contain:
Carbon Black (CAS# 1333-86-4):
IARC Group 2B – possibly carcinogenic to humans.
Titanium Dioxide (CAS# 13463-67-7):
IARC Group 2B – possibly carcinogenic to humans.

Reproductive toxicity: Not classified based on available information.
Teratogenicity: Not classified based on available information.
Germ cell mutagenicity: Not classified based on available information.

SECTION 12 – ECOLOGICAL INFORMATION:

Ecotoxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulated potential: No data available.
Mobility in soil: No data available.
Other adverse effects: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS:

Disposal instructions: This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local, regional,national and international regulations.
Waste from residues: Dispose of in accordance with local regulations.
Contaminated packaging: Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 - TRANSPORT INFORMATION:

Shipping Information: Not subject to DOT, TDG, IMDG Code or IATA Regulations.

SECTION 15 - REGULATORY INFORMATION:

EPCRA – Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity:

Ingredients	CAS No.	Component RQ (lbs)	Calculated product RQ (lbs)
Acetic acid	64-19-7	5000	*
Acetic anhydride	108-24-7	5000	*

* Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity:
This product does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: No SARA hazards.
SARA 302: No chemicals in this product are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313: This product does not contain any chemical components with known CAS No. that exceed the threshold reporting levels established by SARA Title III, Section 313.

Pennsylvania Right To Know:

Dimethyl siloxane, hydroxy-terminated	70131-67-8	70 – 90%
Silicone dioxide	7631-86-9	5 – 10%
Distillates (petroleum), hydrotreated middle	64742-46-7	5 – 10%
Acetic acid	64-19-7	0 – 0.1%
Acetic anhydride	108-24-7	0 – 0.1%
Carbon black	1333-86-4	0.1 – 1%
Titanium dioxide	13463-67-7	0.1 – 1%
Pigment blue 15	147-14-8	1 – 5%
Iron oxide	1309-37-1	1 – 5%

New Jersey Right To Know:

Dimethyl siloxane, hydroxy-terminated	70131-67-8	70 – 90%
Silicone dioxide	7631-86-9	5 – 10%
Distillates (petroleum), hydrotreated middle	64742-46-7	5 – 10%
Carbon black	1333-86-4	0.1 – 1%
Titanium dioxide	13463-67-7	0.1 – 1%
Pigment blue 15	147-14-8	1 – 5%
Iron oxide	1309-37-1	1 – 5%

California Proposition 65: This product contains trace amount of substances, in the form of airborne or unbound particles, known to the State of California to cause cancer or other reproductive harm:
Carbon Black (CAS# 1333-86-4) and Titanium Dioxide (CAS# 13463-67-7)

The ingredients of this product are reported in the following inventories:

TSCA: All chemical substances in this product are included on or exempted from listing on the TSCA inventory of Chemical Substances.

DSL: All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempted from listing on the Canadian Domestic Substances List (DSL).

NFPA Profile: Health 1, Flammability 1, Reactivity 0

SECTION 16 - OTHER INFORMATION:

Prepared by: Imperial Manufacturing Group Inc.
Revision date: March 2, 2020

Notice to the Reader: The information is provided in good faith and is correct to the best of Imperial Manufacturing Group Inc.'s knowledge as of the date hereof and is designed to assist our customers; however Imperial Manufacturing Group Inc. makes no representation as to its completeness or accuracy. Final determination of suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Imperial Manufacturing Group Inc. disclaims all expressed or implied warranties or representations.