IAQ 6000

ACCORDING TO US CFR 1910.1200

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name	IAQ 6000
Product Code	8360
CAS No.	Not applicable.

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

Identified Use(s)	Coating
Uses Advised Against	Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer	
Company Identification	ICP Building Solutions Group / Fiberlock
Address of Manufacturer	150 Dascomb Road
Zip code	01810
Telephone:	978-623-9980
Fax	Not known.
E-mail	sds@icpgroup.com
Office hours	8:00-5:00 EST
Supplier	
Company Identification	ICP Building Solutions Group / Fiberlock
Address of Supplier	150 Dascomb Road
Zip code	01810
Telephone:	978-623-9980
Fax	Not known.
E-mail	sds@icpgroup.com
Office hours	8:00-5:00 EST

1.4 Emergency telephone number

Emergency Phone No.	800-255-3924
Contact	ChemTel

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

US CFR 1910.1200 Not classified as dangerous for supply/use.

2.2 Label elements

According to US CFR 1910.1200

Product Name	IAQ 6000
Hazard Pictogram(s)	None.
Signal Word(s)	None.
Hazard Statement(s)	None.
Precautionary Statement(s)	None.

2.3 Other hazards

Warning! Hazardous dust may be formed if product is sanded, scraped or removed. Do not breathe dust.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
titanium dioxide	13463-67-7	10-15	Carc. 2 H351	GHS08
zinc oxide	1314-13-2	<3		None
aluminium oxide	1344-28-1	0.1-0.5	Not classified	None
pyrithione zinc	13463-41-7	0.1-0.5	Acute Tox. 3 H301	GHS06

			Eye Dam. 1 H318 Acute Tox. 3 H331	GHS05
2-amino-2-methylpropanol	124-68-5	<1	Skin Irrit. 2 H315 Eye Dam. 1 H318	GHS05 GHS07
tetrapotassium pyrophosphate	7320-34-5	<1	Eye Irrit. 2A H319	GHS07

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation — Treat symptomatically.
Skin Contact — Treat symptomatically.
Eye Contact — Treat symptomatically.
Ingestion — Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media — As appropriate for surrounding fire.
Unsuitable Extinguishing Media — None.

5.2 Special hazards arising from the substance or mixture

Heating may cause decomposition.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

6.2 Environmental precautions

Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Collect spillage. Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shoveled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

7.2 Conditions for safe storage, including any incompatibilities.

Storage temperature — Ambient.
Storage life — Stable under normal conditions.

7.3 Specific end use(s)

Coating

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note:
Titanium dioxide	13463-67-7		10			ACGIH TLV, A4
Titanium dioxide (Total dust)	13463-67-7		2.4			Fine particles
Titanium dioxide (Total dust)	13463-67-7		0.3			NIOSH REL Z-1, Ca, ultrafine particles
Titanium dioxide (Total dust)	13463-67-7		15			OSHA PEL Z-1
Zinc oxide	1314-13-2		2		10	ACGIH TLV, R
Zinc oxide fume	1314-13-2		5		10	NIOSH REL Z-1
Zinc oxide (total dust)	1314-13-2		5			NIOSH REL Z-1, C = 15mg/m3
Zinc oxide fume	1314-13-2		5		10	OSHA PEL
Zinc oxide fume	1314-13-2		5			OSHA PEL Z-1
Zinc oxide (total dust)	1314-13-2		15			OSHA PEL Z-1
Zinc oxide (Respirable fraction)	1314-13-2		5			OSHA PEL Z-1
Silica, crystalline, α-quartz	14808-60-7		0.025			ACGIH TLV, R, A2
Silica: Crystalline, Quartz (Respirable)	14808-60-7		0.05			CAL-OSHA PEL_Table Z-3, Ca
Silica: Crystalline, Quartz (Respirable)	14808-60-7		0.05			NIOSH REL Z-3, Ca
Silica, crystalline (Quartz, respirable dust)	14808-60-7		0.1			OSHA PEL
Silica, crystalline (Quartz, total dust)	14808-60-7		0.3			OSHA PEL
Silica: CrystallineQuartz (Respirable)	14808-60-7	250/(%SiO2+5)	10/(% SiO2 + 2)			OSHA PEL_Table Z-3, mppcf, (h), (k)
Silica: CrystallineQuartz (Total Dust)	14808-60-7		30/(% SiO2 + 2)			OSHA PEL_Table Z-3, (% SiO2 + 2)
Silica: CrystallineQuartz (Respirable)	14808-60-7	250	10			OSHA PEL_Table Z-3, mppcf, (h), (k), mppcf divided by (%SiO2+5), mg/m3 value divided by (% SiO2 + 2)
Silica: CrystallineQuartz (Total Dust)	14808-60-7		30			OSHA PEL_Table Z-3, mg/m3 value divided by (% SiO2 + 2)
Aluminium, metal and insoluble compounds	1344-28-1		1			ACGIH TLV, R, A4
Aluminum metal and oxide (Respirable fraction)	1344-28-1		5			OSHA PEL, (n)
Aluminum metal and oxide (Total dust)	1344-28-1		10			OSHA PEL
Aluminum welding fumes	1344-28-1		5			OSHA PEL
alpha-Alumina (Total dust)	1344-28-1		15			OSHA PEL Z-1
alpha-Alumina (Respirable fraction)	1344-28-1		5			OSHA PEL Z-1

Remark	Notes
ACGIH TLV	The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®) 2020
A4	Not Classifiable as a Human Carcinogen
Fine particles	In fine particles form
NIOSH REL Z-1	National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-1: Up to 10-hour time weighted average (TWA) during a 40-hour work week
Ca	Potential occupational carcinogen
ultrafine particles	In ultrafine particles form
OSHA PEL Z-1	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table
R	Respirable particulate matter
C = 15mg/m3	Ceiling limit of 15mg/m3
OSHA PEL	Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).
A2	Suspected Human Carcinogen
CAL-OSHA PEL_Table	California Division of Occupational Safety and Health (CAL-OSHA) Permissible Exposure Limits (PELs) Table Z-3 Mineral Dusts.

Z-3	
NIOSH REL Z-3	National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-3: Up to 10-hour time weighted average (TWA) during a 40-hour work week
OSHA PEL_Table Z-3	Occupational Safety and Health (OSHA) Permissible Exposure Limits (PELs) Table Z-3 Mineral Dusts.
mppcf	Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques. Conversion factors - mppcf × 35.3 = million particles per cubic meter = particles per c.c.
(h)	A number of gases and vapors, when present in high concentrations, act primarily as asphyxiants without other adverse effects. A concentration limit is not included for each material because the limiting factor is the available oxygen. (Several of these materials present fire or explosion hazards.)
(h)	The percentage of crystalline silica in the formula is the amount determined from airborne samples, except in those instances in which other methods have been shown to be applicable.
(k)	A PEL of 0.05 ppm shall apply to exposures involving a mixture of ethylene glycol dinitrate and nitroglycerin.
(k)	Both concentration and percenta quartz for the application of this limit are to be determined from the fraction passing through a size-selector with the following characetristics: Aerodynamic diamtere unit density sphere)/ percent passing selector : 2/90; 2.5/75; 3.5/50; 5/25; 10/0. the measurementsd under htis note refer to the use of an AEC (now NRC) instrument. The respireable fraction of coal dust is determined with anMRE; the figure corresponding to that on 2.4mg/m3 for coal dust is 4.5mg/m3.
mppcf divided by (%SiO2+5)	The PEL in mppcf is calculated by dividing by the percentage SiO2 +5.
mg/m3 value divided by (% SiO2 + 2)	The PEL in mg/m3 is calculated by dividing by the percentage SiO2 +2.
(n)	The concentration and percentage of the particulate used for this limit are determined from the fraction passing a size selector with the following characteristics: (aerodynamic Diameter (µm)/% Passing Selector): 0/100; 1/97; 2/91; 3/74; 4/50; 5/30; 6/17; 7/9; 8/5; 10/1.

8.2 Exposure controls

8.2.1. Appropriate engineering controls — Ensure adequate ventilation.

8.2.2. Personal protection equipment

Eye Protection — Wear eye protection with side protection (EN166).

Skin protection — Not normally required.

Respiratory protection — Normally no personal respiratory protection is necessary.

Thermal hazards — None known.

8.2.3. Environmental Exposure Controls — Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid. Color : Not known.
Odor	Not known.
Odor Threshold	Not known.
pH	Not known.
Melting Point/Freezing Point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	93 °C
Evaporation Rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapor pressure	Not known.
Vapor density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.

Oxidizing properties	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 32258.06000
Acute toxicity - Skin Contact	Not classified.
Acute toxicity - Inhalation	Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 967.74000
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	No evidence of carcinogenicity. This substance has been classified by the IARC as Group 2B: Possibly Carcinogenic to Humans. The IARC listing does not cover titanium dioxide when it remains bound within a product matrix. IARC states “No significant exposure to primary particles of titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paints.”
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not known

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Toxic and hazardous substances (29 CFR 1910; Subpart Z)	Listed : 13463-67-7, 1314-13-2, 14808-60-7, 1344-28-1
National emission standards for hazardous air pollutants (40 CFR 61.01)	Listed : 1314-13-2
SARA Title III Section 313	Not listed
TSCA (Toxic Substance Control Act)	Listed : 13463-67-7 (Active), 124-68-5 (Active), 7732-18-5 (Active), 1314-13-2 (Active), 13463-41-7 (Active), 14808-60-7 (Active), 1344-28-1 (Active), 77-99-6 (Active), 7320-34-5 (Active)
CAA 602 - Ozone Depleting Substances (ODS)	Not listed

15.2 US State Regulations

State Right to Know Lists	
Proposition 65 (California)	Listed : 13463-67-7
Minnesota	Listed : 13463-67-7, 1314-13-2, 14808-60-7, 1344-28-1
New Jersey	Listed : 13463-67-7, 124-68-5, 1314-13-2, 13463-41-7, 14808-60-7, 1344-28-1
Pennsylvania	Listed : 13463-67-7, 124-68-5, 1314-13-2, 13463-41-7, 14808-60-7, 1344-28-1
Rhode Island	Listed : 13463-67-7, 1314-13-2, 14808-60-7, 1344-28-1

15.3 Other

OSPAR List of Chemicals for Priority Action	Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives)	Not listed
NTP (National Toxicology Program)	Listed : 14808-60-7
IARC (International Agency for Research on Cancer)	Listed : 13463-67-7, 14808-60-7

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

Key literature references and sources for data used to compile the SDS	US CFR 1910.1200
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