



SAFETY DATA SHEET ICT DECK MIX H2O

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name ICT DECK MIX H2O

Product number 620

Recommended use of the chemical and restrictions on use

Application Flooring

Uses advised against No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier Innovative Concrete Technology Corp
2410 McJunkin Road
Lakeland, FL 33803
T: 1-888-296-5236
F: 1-863-666-2738

Contact Information Technical Department technical
sales@innovativeconcrete.com
www.innovativeconcrete.com

Emergency telephone number

Emergency telephone Chemtel
1-800-255-3924

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 1A - H350 STOT SE 3 - H335 STOT RE 1 - H372

Environmental hazards Not Classified

Label elements

Pictogram



Signal word

Danger

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Hazard statements

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.
 H350 May cause cancer.
 H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe dust.
 P261 Avoid breathing dust.
 P264 Wash contaminated skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing must not be allowed out of the workplace.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P302+P352 If on skin: Wash with plenty of water.
 P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 If in eyes: Rinse cautiously 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.
 P310 Immediately call a poison center/ doctor.
 P312 Call a poison center/ doctor if you feel unwell.
 P314 Get medical advice/ attention if you feel unwell.
 P321 Specific treatment (see medical advice on this label).
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/ container in accordance with national regulations.

Contains

Quartz, Cement Portland White, Calcium Aluminate Cement, Calcium Hydroxide

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

Quartz CAS number: 14808-60-7	60-100%
Classification Carc. 1A - H350 STOT RE 1 - H372	

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Cement Portland White CAS number: 65997-15-1	30-60%
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 1B - H350 STOT SE 3 - H335 STOT RE 2 - H373	
Calcium Aluminate Cement CAS number: 65997-16-2	1-5%
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318	
Calcium Hydroxide CAS number: 1305-62-0	1-5%
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335	
Magnesium Oxide CAS number: 1309-48-4	<1%
Classification Eye Irrit. 2A - H319	
Calcium Carbonate CAS number: 1317-65-3	<1%
Classification Skin Irrit. 2 - H315	

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formaldehyde ... %	<1%
CAS number: 50-00-0	
Classification Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 1B - H350 STOT SE 3 - H335	

The full text for all hazard statements is displayed in Section 16.

Composition comments The exact percentage is withheld as a trade secret in accordance with 29 CFR 1910.1200.

4. First-aid measures

Description of first aid measures

General information	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention.
Skin Contact	It is important to remove the substance from the skin immediately. In the event of any sensitization symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognized skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.
Ingestion	May cause sensitization or allergic reactions in sensitive individuals. May cause irritation. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.

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Skin contact May cause skin sensitization or allergic reactions in sensitive individuals. Redness. Irritating to skin. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.

Eye contact Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

Indication of immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically. May cause sensitization or allergic reactions in sensitive individuals.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards None known.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapors. Evacuate area. Keep upwind to avoid inhalation of gases, vapors, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Avoid inhalation of dust and vapors. Use suitable respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes.

Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

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Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. May cause cancer. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class Chemical storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

Quartz

Long-term exposure limit (8-hour TWA): OSHA 0.05 mg/m³ respirable dust
 Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m³ respirable fraction
 A2

Cement Portland White

Long-term exposure limit (8-hour TWA): OSHA 0.05 mg/m³ respirable dust
 Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust
 Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction
 Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m³ respirable fraction
 Long-term exposure limit (8-hour TWA): ACGIH 1 mg/m³ respirable fraction
 A2, A4

Calcium Hydroxide

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³
 Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction
 Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

Magnesium Oxide

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ fume total particulate
 Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³ inhalable fraction
 A4

Calcium Carbonate

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Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction
 Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction
 Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction
 Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust
 Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust
 Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

formaldehyde ... %

Ceiling exposure limit: ACGIH 0.3 ppm 0.37 mg/m³

A2, DSens, RSens

Long-term exposure limit (8-hour TWA): OSHA 0.75 ppm

Short-term exposure limit (15-minute): OSHA 2 ppm

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A2 = Suspected Human Carcinogen.

A4 = Not Classifiable as a Human Carcinogen.

DSens = Dermal sensitizer.

RSens = Respiratory sensitizer.

Quartz (CAS: 14808-60-7)

Immediate danger to life and health 25 mg/m³ 50 mg/m³

Cement Portland White (CAS: 65997-15-1)

Immediate danger to life and health 25 mg/m³ 5000 mg/m³ 50 mg/m³

Magnesium Oxide (CAS: 1309-48-4)

Immediate danger to life and health 750 mg/m³

formaldehyde ... % (CAS: 50-00-0)

Immediate danger to life and health 20 ppm

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

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Hand protection	Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
Respiratory protection	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Keep container tightly sealed when not in use. Avoid release to the environment.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Powder.
Color	White/off-white.
Odor	Odorless.
Odor threshold	No information available.
pH	12-13
Melting point	Not available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapor pressure	No information available.
Vapor density	No information available.
Relative density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Other information	None.

10. Stability and reactivity

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Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Eye Dam. 1 - H318 Causes serious eye damage.

Respiratory sensitization

Respiratory sensitization Based on available data the classification criteria are not met.

Skin sensitization

Skin sensitization May cause skin sensitization or allergic reactions in sensitive individuals.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity May cause cancer.

IARC carcinogenicity

Contains a substance/a group of substances which may cause cancer. IARC Group 1 Carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure STOT SE 3 - H335 May cause respiratory irritation.

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Target organs Respiratory system, lungs

Specific target organ toxicity - repeated exposure

STOT - repeated exposure STOT RE 1 - H372 Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

Aspiration hazard Not relevant. Solid.

General information

May cause cancer after repeated exposure. Risk of cancer depends on duration and level of exposure. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.

Ingestion

May cause sensitization or allergic reactions in sensitive individuals. May cause irritation.

Skin Contact

May cause skin sensitization or allergic reactions in sensitive individuals. Redness. Irritating to skin.

Eye contact

Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

Route of entry

Ingestion Inhalation Skin and/or eye contact

Target Organs

Respiratory system, lungs

Medical considerations

Skin disorders and allergies.

12. Ecological Information

Ecotoxicity

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Toxicity

Based on available data the classification criteria are not met.

Persistence and degradability

Persistence and degradability

The degradability of the product is not known.

Bioaccumulative potential

Bio-Accumulative Potential

No data available on bioaccumulation.

Partition coefficient

No information available.

Mobility in soil

Mobility

No data available.

Other adverse effects

Other adverse effects

None known.

13. Disposal considerations

Waste treatment methods

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General information	The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).
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UN Number

Not applicable.

UN proper shipping name

Not applicable.

Transport hazard class(es)

No transport warning sign required.

Packing group

Not applicable.

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

The following ingredients are listed or exempt:

formaldehyde ... %

EPCRA 302 TPQ 500 lbs Tier II TPQ 500 lbs

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The following ingredients are listed or exempt:

formaldehyde ... %

Final CERCLA RQ: 100(45.4) pounds (Kilograms)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

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SARA 313 Emission Reporting

The following ingredients are listed or exempt:

formaldehyde ... %

0.1 %

Magnesium Oxide

1.0 %

CAA Accidental Release Prevention

The following ingredients are listed or exempt:

formaldehyde ... %

Threshold Quantity: 15000 lbs

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories

None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals

The following ingredients are listed or exempt:

formaldehyde ... %

Threshold Quantity: 1000 lbs

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

The following ingredients are listed or exempt:

formaldehyde ... %

Known to the State of California to cause cancer.

California Air Toxics "Hot Spots" (A-I)

The following ingredients are listed or exempt:

formaldehyde ... %

Present.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances

The following ingredients are listed or exempt:

formaldehyde ... %

Present.

Magnesium Oxide

Present.

Calcium Hydroxide

Present.

Massachusetts "Right To Know" List

The following ingredients are listed or exempt:

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formaldehyde ... %

Present.

Sodium Sulfate

Present.

Cement Portland White

Present.

Calcium Carbonate

Present.

Magnesium Oxide

Present.

Calcium Hydroxide

Present.

Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

formaldehyde ... %

Present.

Cement Portland White

Present.

Calcium Carbonate

Present.

Magnesium Oxide

Present.

Calcium Hydroxide

Present.

Minnesota "Right To Know" List

The following ingredients are listed or exempt:

formaldehyde ... %

Present.

Cement Portland White

Present.

Calcium Carbonate

Present.

Magnesium Oxide

Present.

Calcium Hydroxide

Present.

New Jersey "Right To Know" List

The following ingredients are listed or exempt:

formaldehyde ... %

Present.

Cement Portland White

Present.

Calcium Carbonate

Present.

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Magnesium Oxide

Present.

Calcium Hydroxide

Present.

Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

formaldehyde ... %

Present.

Sodium Sulfate

Present.

Cement Portland White

Present.

Calcium Carbonate

Present.

Magnesium Oxide

Present.

Calcium Hydroxide

Present.

Inventories

US - TSCA

The following ingredients are listed or exempt:

Vinyl Acetate-ethylene copolymer powder

Present.

Calcium Aluminate Cement

Present.

formaldehyde ... %

Present.

Sodium Sulfate

Present.

Sodium chloride

Present.

Water

Present.

Methylhydroxyethylcellulose

Present.

Cement Portland White

Present.

Calcium Carbonate

Present.

Magnesium Oxide

Present.

Magnesium Hydroxide

Present.

Calcium Hydroxide

Present.

ICT DECK MIX H2O**US - TSCA 12(b) Export Notification**

None of the ingredients are listed or exempt.

16. Other information

Training advice	Read and follow manufacturer's recommendations.
Revision date	4/18/2019
Revision	1
SDS No.	4860
Hazard statements in full	H301 Toxic if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H335 May cause respiratory irritation. H341 Suspected of causing genetic defects. H350 May cause cancer. H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure if swallowed or in contact with skin.
ACA HMIS Health rating.	1
ACA HMIS Flammability rating.	0
ACA HMIS Physical hazard rating.	0
ACA HMIS Personal protection rating.	E

This information 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.