

EMERGENCY PHONE: 800-553-8011

Effective date: 5/8/2019

Print date: 5/9/2019

NFPA: Health 1, Fire 0, Reactivity 0

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## 1. IDENTIFICATION

**PRODUCT NAME:** FUSION® 55  
**CAS #:** MIXTURE

**MANUFACTURER:** OSSIAN INC., 635 SOUTH ELMWOOD AVE, DAVENPORT, IOWA 52802  
**EMERGENCY PHONE:** 800-553-8011

**PRODUCT USE:** Ice Melting  
**USES ADVISED AGAINST:** De-icing of concrete less than one year old. De-icing of metal surfaces.

## 2. HAZARD(S) IDENTIFICATION:

### EMERGENCY OVERVIEW:

**PRECAUTIONARY STATEMENTS:** Wash thoroughly after handling.

### GHS CLASSIFICATION OF MIXTURE:

<b>CONTACT HAZARD – SKIN:</b>	Category 3 – May cause mild irritation.
<b>CONTACT HAZARD – EYE:</b>	Category 2B – Mild irritant.
<b>ACUTE TOXICITY – INHALATION:</b>	No data available. Not classified.
<b>CARCINOGENICITY:</b>	Not classified as a carcinogen per GHS criteria. Not classified as a carcinogen by NTP, IARC, or OSHA

### GHS LABELING PICTOGRAM:



### GHS SIGNAL WORD:

**WARNING**

**HAZARD STATEMENT:** Non-toxic. No adverse health effects are anticipated with normal use of this product.

### PRECAUTIONARY STATEMENT:

**EYE CONTACT:** Low irritant. Exposure may result in mild irritation. Can cause redness and pain.  
**INHALATION:** Dust may cause irritation to upper respiratory tract (nose and throat).  
**SKIN CONTACT:** Brief contact is essentially nonirritating to skin.  
**INGESTION:** Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

**OTHER HAZARDS:** No other hazards known



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**3. COMPOSITION**

**SUBSTANCE/MIXTURE:** Mixture.

**TECHNOLOGY:** Alkali Degraded Sugar Beet Extract covered under U.S. and Canadian Patents  
Additional foreign and domestic patents may be pending.

<u>CHEMICAL NAME</u>	<u>PERCENTAGE</u>	<u>CAS NUMBER</u>
Alkali Degraded Sugar Beet Extract	> 90%	008016-79-3
Sodium Chloride (in solution)	> 10% (23.3% Solution)	007647-14-5
Water		007732-18-5

**4. FIRST-AID MEASURES:**

**FIRST AID INHALATION:** No special first aid needed.

**FIRST AID SKIN:** Wash with soap and water.

**FIRST AID EYE:** Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

**FIRST AID INGESTION:** DO NOT INDUCE VOMITING. If vomiting occurs, lower the person's head below their knees to avoid aspiration. Contact physician or poison control center

**Interaction with Other Chemicals Which Enhance Toxicity:** None known.

**5. FIRE-FIGHTING MEASURES:**

**FIRE HAZARD:** This material does not burn

**EXTINGUISHING MEDIA:** Use extinguishing agents appropriate for surrounding fire.

**FIRE-FIGHTING:** Keep unnecessary people away, isolate hazard area and deny entry. This material does not burn. Fight fire for other material that is burning. Water should be applied in large quantities as fine spray. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode. Wear protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

**LOWER FLAMMABILITY LEVEL (air):** Not applicable

**UPPER FLAMMABILITY LEVEL (air):** Not applicable

**FLASH POINT:** Not applicable

**AUTOIGNITION TEMPERATURE:** Not applicable



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**6. ACCIDENTAL RELEASE MEASURES:**

**PERSONAL PRECAUTIONS:**

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard on some surfaces. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to Section 7, Handling for additional precautionary measures.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:**

Small and large spills: Contain spilled material if possible. Collect in suitable and properly labeled containers. Flush residue with plenty of water. See section 13, Disposal considerations, for additional information.

**ENVIRONMENTAL PRECAUTIONS:**

Prevent large spills from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

**7. HANDLING AND STORAGE:**

**HANDLING PROCEDURES**

Avoid eye and skin contact. Do not take internally. Wash thoroughly after handling.

**SAFE STORAGE CONDITIONS:**

Store at ambient indoor conditions. Keep containers sealed.

**INCOMPATIBILITIES**

None known.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION:**

**COMPONENT EXPOSURE LIMITS**

**SUCROSE (57-50-1)**

ACGIH: 10 mg/m3 TWA  
OSHA: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)  
NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)

**ENGINEERING CONTROLS:**

None needed under normal product handling conditions

**PERSONAL PROTECTIVE EQUIPMENT: RESPIRATORY / HANDS / EYES / SKIN AND BODY**

None needed under normal product handling conditions

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>PHYSICAL STATE / COLOR:</b>	Dark Brown Liquid
<b>ODOR:</b>	Strong Coffee Type Odor
<b>MELTING POINT/RANGE:</b>	N/A
<b>BOILING POINT:</b>	N/A
<b>VAPOR PRESSURE:</b>	N/A
<b>VAPOR DENSITY (air=1):</b>	N/A
<b>SPECIFIC GRAVITY (water=1):</b>	1.32 – 1.34
<b>WATER SOLUBILITY:</b>	approx.. 160g/100ml
<b>pH (5% SOLV/WATER):</b>	8 – 9.5
<b>FLASH POINT:</b>	N/A
<b>LOWER FLAMMABILITY LEVEL (air):</b>	N/A
<b>UPPER FLAMMABILITY LEVEL (air):</b>	N/A



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**10. STABILITY & REACTIVITY:**

**REACTIVITY / STABILITY:** Stable

**INCOMPATIBILITIES / MATERIALS TO AVOID:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion may produce CO<sub>2</sub>.

**11. TOXICOLOGICAL INFORMATION;**

**ACUTE TOXICITY**

**COMPONENT ANALYSIS – LD50/LC50**

**WATER (7732-18-5)**  
Oral LD50 Rat >90 mL/kg

**SUCROSE (57-50-1)**  
Oral LD50 Rat 29700 mg/kg

**METHANAMINIUM, 1-carboxy-N,N,N-trimethyl-, inner salt (107-43-7)**  
Oral LD50 Rat 11179 mg/kg

**Potential Health Effects: Skin Corrosion Property / Stimulativeness**

This product is not reported to have any skin irritation effects.

**Potential Health Effects: Eye Critical Damage / Stimulativeness**

This product is not reported to have any eye irritation effects.

**Potential Health Effects: Ingestion**

This product is not reported to have any ingestion effects.

**Potential Health Effects: Inhalation**

This product is not reported to have any inhalation effects.

**Generative Cell Mutagenicity**

This product is not reported to have any mutagenic effects.

**Carcinogenicity**

**A: General Product Information**

This product is not reported to have any carcinogenic effects.

**B: Component Carinogenicity**

**Sucrose (57-50-1)**

ACGIH: A4 – Not classifiable as a Human Carcinogen

**Reproductive Toxicity**

This product is not reported to have any reproductive toxicity effects.

**Specified Target Organ General Toxicity: Single Exposure**

This product is not reported to have any single exposure specific target organ toxicity effects.

**Specified Target Organ General Toxicity: Repeated Exposure**

This product is not reported to have any repeat exposure specific target organ toxicity effects.

**Aspiration Respiratory Organs Hazard**

Not an aspiration hazard.



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**12. ECOLOGICAL INFORMATION;**

**ECOTOXICITY DATA:**

**A: General Product Information**

This product is not reported to have any ecotoxicity effects.

**B: Component Analysis – Ecotoxicity – Aquatic Toxicity**

No ecotoxicity data are available for this product's components.

**Persistence/Degradability**

No information available for the product.

**Bioaccumulation**

No information available for the product.

**Mobility in Soil**

No information available for the product.

**13. DISPOSAL CONSIDERATIONS: (See Section 14 for Regulatory Information)**

Reuse or recycle if possible. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Report spills if applicable. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Landfill and waste water treatment system.

**14. TRANSPORT INFORMATION:**

**UNITED STATES DOT INFORMATION:**

This product is not regulated by D.O.T. when shipped domestically by land.

**CANADIAN TDG INFORMATION:**

This product is not regulated by T.D.G. when shipped domestically by land.

**15. REGULATORY INFORMATION: (Not meant to be all-inclusive- selected regulations represented)**

D.O.T. PROPER SHIPPING NAME:	N/A
HAZARDOUS SUBSTANCE 49CFR CERCLA:	N/A
D.O.T. HAZARD CLASS	N/A
D.O.T. LABELS REQUIRED	N/A
D.O.T. PLACARDS REQUIRED	N/A

**U.S. FEDERAL REGULATIONS**

**COMPONENT ANALYSIS**

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

**STATE REGULATIONS**

**COMPONENT ANALYSIS – STATE**

The following components appear on one or more of the following state hazardous substances lists:



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Component	CAS	CA	MA	MN	NJ	PA	RI
Sucrose	57-50-1	No	Yes	Yes	No	Yes	No

### COMPONENT ANALYSIS – WHMIS IDL

No components are listed in the WHMIS IDL.

## 16. OTHER INFORMATION:

**HMIS: (SCALE 0-4)** (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2<sup>nd</sup> Edition)

**HEALTH RATING: 2      FLAMMABILITY RATING: 0      REACTIVE RATING: 0**

**NFPA 704 – HAZARD IDENTIFICATION RATINGS (SCALE 0-4)**

**HEALTH RATING: 1      FLAMMABILITY RATING: 0      REACTIVE RATING: 0**

### ADDITIONAL HEALTH DATA COMMENT:

This Safety Data Sheet contains environmental, health and toxicological information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know / emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS. Discard any previous edition of this SDS.

**Latest version of this SDS can be found at <http://www.OSSIAN.com>**

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