

# Safety Data Sheet

Revision: 28 February 2023

Supersedes: N/A

# IKONICS®

## Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1 Product identifier

**Product Name:** Textile Press Wash iSC

**Product Description:** Colorless liquid

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

**Relevant identified use(s):** Press wash

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier** IKONICS  
4832 Grand Ave.  
Duluth, MN 55807  
United States  
www.ikonics.com  
sds@ikonics.com

**Telephone (General):** (218) 628-2217

**Telephone (General):** (800) 328-4261 - Toll free

### 1.4 Emergency telephone number

**Chemtrec:** 1-800-424-9300 - Within USA and Canada  
+1 703-527-3887 - Outside USA and Canada (collect calls accepted)

## Section 2: Hazards Identification

EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 2020/878]

### 2.1 Classification of the substance or mixture

CLP

Hazard Class	Category	Code
Eye Irritation	2B	H320
Aspiration Toxicity	1	H304

### 2.2 Label Elements

CLP

**DANGER**



Hazard Statement	Code
Causes eye irritation	H320
May be fatal if swallowed and enters airways	H304

### Precautionary Measures

Category	Code	Statement
<b>Prevention</b>	P264	Wash thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	P301+P316	IF SWALLOWED: Get emergency medical help immediately.
	P331	Do NOT induce vomiting.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337+P313	If eye irritation persists: Get medical advice/attention.
<b>Storage</b>	P405	Store locked up.
<b>Disposal</b>	P501	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

### 2.3 Other Hazards

CLP

This mixture does not meet the criteria for persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with REACH Annex XIII.

### Endocrine Disrupting Properties

**Human Health:** This mixture does not contain components having endocrine disrupting properties in accordance with REACH Article 59(1), Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/603 at a concentration equal to or greater than 0.1% by weight.

**Environment:** This mixture does not contain components having endocrine disrupting properties in accordance with REACH Article 59(1), Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/603 at a concentration equal to or greater than 0.1% by weight.

## UN GHS

According to UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Ninth Revised Edition

### 2.1 Classification of the substance or mixture

#### UN GHS

Hazard Class	Category	Code
Skin Irritation	3	H316
Eye Irritation	2B	H320
Flammable Liquid	4	H227
Aspiration Toxicity	1	H304

### 2.2 Label Elements

#### UN GHS

**DANGER**



Hazard Statement	Code
Causes mild skin irritation	H316
Causes eye irritation	H320
Combustible liquid	H227
May be fatal if swallowed and enters airways	H304

### Precautionary Measures

Category	Code	Statement
<b>Prevention</b>	P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
	P264	Wash thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	P301+P316	IF SWALLOWED: Get emergency medical help immediately.
	P331	Do NOT induce vomiting.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Storage</b>	P337+P313	If eye irritation persists: Get medical advice/attention.
	P403	Store in a well-ventilated place.
<b>Disposal</b>	P405	Store locked up.
	P501	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

### 2.3 Other hazards

UN GHS No data available

## United States (US)

According to OSHA 29 CFR 1910.1200 HCS

### 2.1 Classification of the substance or mixture

#### OSHA HCS 2012

Hazard Class	Category	Code
Eye Irritation	2B	H320
Flammable Liquid	4	H227
Aspiration Toxicity	1	H304

### 2.2 Label Elements

#### OSHA HCS 2012

**DANGER**



Hazard Statement	Code
Causes eye irritation	H320
Combustible liquid	H227
May be fatal if swallowed and enters airways	H304

**Precautionary Measures**

Category	Code	Statement
<b>Prevention</b>	P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
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<b>Storage</b>	P337+P313	If eye irritation persists: Get medical advice/attention.
	P403	Store in a well-ventilated place.
<b>Disposal</b>	P405	Store locked up.
	P501	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**2.3 Other hazards**

OSHA HCS 2012 No data available

**Canada**

According to WHMIS 2015

**2.1 Classification of the substance or mixture****WHMIS 2015**

Hazard Class	Category	Code
Eye Irritation	2B	H320
Flammable Liquid	4	H227
Aspiration Toxicity	1	H304

**2.2 Label Elements****WHMIS 2015****DANGER**

Hazard Statement	Code
Causes eye irritation	H320
Combustible liquid	H227
May be fatal if swallowed and enters airways	H304

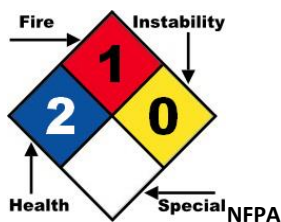
**Precautionary Measures**

Category	Code	Statement
<b>Prevention</b>	P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
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<b>Storage</b>	P337+P313	If eye irritation persists: Get medical advice/attention.
	P403	Store in a well-ventilated place.
<b>Disposal</b>	P405	Store locked up.
	P501	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**2.3 Other hazards**

WHMIS 2015 No data available

**2.4 Other information**



## Section 3 - Composition/Information on Ingredients

### 3.1 Substances

### 3.2 Mixtures

Chemical Name	CAS number	%	LD50/LC50	Classifications According to Regulation/Directive
Alkanes, C12-14-iso-	68551-19-9	90-100 %	Ingestion/Oral-Rat LD50 >5000 mg/kg	<b>GHS:</b> Skin Irrit. 3; Eye Irrit. 2B; Flam. Liq. 4; Asp. Tox. 1 <b>CLP:</b> Eye Irrit. 2B; Asp. Tox. 1 <b>OSHA / WHMIS:</b> Eye Irrit. 2B; Flam. Liq. 4; Asp. Tox. 1

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

**Inhalation.** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration and call 911 or emergency medical service.

**Skin.** Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

**Eye.** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion.** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth. Never give anything by mouth to an unconscious person. If large quantities are swallowed, call a physician immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 – Toxicological Information

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

**Suitable extinguishing media.** SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam. LARGE FIRE: Water spray, fog or regular foam.

**Unsuitable extinguishing media.** No data available

**Firefighting procedures.** Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep unauthorized personnel away. Ventilate closed spaces before entering. LARGE FIRES: Use extinguishing agent suitable for type of surrounding fire.

### 5.2 Special hazards arising from the substance or mixture

**Unusual fire and explosion hazards.** Material may burn, but does not ignite readily.

**Hazardous combustion products.** Products of combustion include: carbon oxides (CO<sub>x</sub>).

### 5.3 Advice for firefighters

Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions.** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Emergency procedures.** No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Use normal clean up procedures.

### 6.2 Environmental precautions

LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas.

### 6.3 Methods and material for containment and cleaning up

**Containment/clean-up measures.** Use appropriate Personal Protective Equipment (PPE). Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container.

### 6.4 Reference to other sections

Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

Use good safety and industrial hygiene practices.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Store away from extreme heat. Do not freeze.

### 7.3 Specific end use(s)

Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

None specified

### 8.2 Exposure controls

**Engineering measures/controls.** Local exhaust is recommended but not required. Provide adequate ventilation as necessary.

### Personal Protective Equipment

#### Pictograms



**Respiratory:** Do not breathe vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

**Eye/Face:** Wear protective eyewear (goggles, face shield, or safety glasses).

**Hands:** Wear protective gloves - rubber or neoprene.

**Skin/Body:** Wear protective clothing - apron or other impervious body coverings.

**General industrial hygiene considerations:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

**Environmental exposure controls:** No data available

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Clear
Color	Colorless	Odor	Apple
General Properties			
Boiling Point	179 C (354 F) estimated	Melting/Freezing Point	No data available
Decomposition Temperature	No data available	pH	No data available
Density	6.4 lb/gal (0.766 g/mL)	Water Solubility	Insoluble
Viscosity	No data available	Kinematic Viscosity	No data available
Explosive Properties	Not relevant	Oxidizing Properties	Not relevant
Volatility			
Vapor Pressure	0.85 mm Hg (20 C)	Vapor Density	> 1 (Air = 1)
Evaporation Rate	No data available	VOC (Wt.)	90-100 %
Volatiles (Wt.)	Approx. 100 %		
Flammability			
Flash Point	61 C (142 F) - lowest flashing component	UEL	5.4 %
LEL	0.68 %	Autoignition	No data available
%Flammability (solid, gas)	Not relevant		
Environmental			
Half-Life	No data available	Octanol/Water Partition coefficient	No data available
Coefficient of water/oil distribution	No data available	Bioaccumulation Factor	No data available
Bioconcentration Factor	No data available	Biochemical Oxygen Demand BOD/BOD5	No data available
Chemical Oxygen Demand	No data available	Persistence	No data available
Degradation	No data available		

### 9.2 Other Information

No data available

## Section 10: Stability and Reactivity

**10.1 Reactivity.** No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability.** Stable

**10.3 Possibility of hazardous reactions.** Hazardous polymerization will not occur.

**10.4 Conditions to avoid.** Heat, sparks or open flame.

**10.5 Incompatible materials.** No data available.

**10.6 Hazardous decomposition products.** Hazardous decomposition products formed under fire conditions - carbon oxides (COx). No decomposition is expected under normal storage and use conditions.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

Hazard	Hazard Classification
Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion/irritation	Skin Irritation 3
Serious eye damage/irritation	Eye Irritation 2B
Respiratory/skin sensitization	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-Single Exposure	Based on available data, the classification criteria are not met
STOT-Repeated Exposure	Based on available data, the classification criteria are not met
Aspiration	Aspiration Toxicity 1

Route(s) of entry/exposure: Skin, eye, ingestion

#### Potential Health Effects

##### Inhalation

**Acute (Immediate):** No specific information available.

**Chronic (Delayed):** Repeated and prolonged exposure may cause irritation.

##### Skin

**Acute (Immediate):** May cause irritation.

**Chronic (Delayed):** Repeated and prolonged exposure may cause irritation.

##### Eye

**Acute (Immediate):** Causes eye irritation.

**Chronic (Delayed):** Repeated and prolonged exposure may cause serious eye irritation.

##### Ingestion

**Acute (Immediate):** Aspiration into the lungs through ingestion or vomiting may cause pulmonary edema and pneumonitis.

**Chronic (Delayed):** Repeated and prolonged exposure may cause irritation.

## Section 12 - Ecological Information

### 12.1 Toxicity

**Alkanes, C12-14-iso- CAS #68551-19-9**

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - >1000 mg/l - 96 h

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - >1000 mg/l - 48 h

Toxicity to algae EC50 - Pseudokirchneriella subcapitata (green algae) - >1000 mg/l - 72 h

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in Soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Endocrine disrupting properties

No endocrine disrupting components identified

### 12.7 Other adverse effects

No data available

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

**Product waste:** Dispose of content in accordance with local, regional, national, and/or international regulations.

**Packaging waste:** Dispose of container in accordance with local, regional, national, and/or international regulations.

### 13.2 Other Information

Avoid release to the environment. Dispose of wastes in an approved waste disposal facility.

## Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN1993	Combustible Liquids, n.o.s. (petroleum distillates)	3	III	NDA
IMO/IMDG	UN1993	Flammable Liquids, n.o.s. (petroleum distillates)	3	III	NDA
IATA/ICAO	UN1993	Flammable Liquids, n.o.s. (petroleum distillates)	3	III	NDA

14.6 Special precautions for user. None specified.

**14.7 Transport in bulk according to IMO instruments.** Not relevant.

**14.8 Other information.** None specified.

## Section 15 - Regulatory Information

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### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA hazard classifications.** Acute health hazard, Fire hazard

**REACH compliance.** No components at a concentration of 0.1% w/w or above are included in the Authorization List or the Candidate List of Substances of Very High Concern for Authorization.

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### 15.3 Other information

**California Proposition 65:** This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

## Section 16 - Other Information

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### Relevant phrases (code & full text)

H227 - Combustible liquid.

H304 - May be fatal if swallowed and enters airways.

H316 - Causes mild skin irritation.

H320 - Causes eye irritation.

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P264 - Wash thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301+P316 - IF SWALLOWED: Get emergency medical help immediately.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331 - Do NOT induce vomiting.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P403 - Store in a well-ventilated place.

P405 - Store locked up.

P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Classification method for mixtures:** Calculation method.

**Last revision date:** N/A

**Preparation date:** 28 February 2023

**Changes to the current revision:** New document.

### Other information

**Approved by:** Troy Bergstedt, Director of Chemical Research, (218) 628-2217 ext.142.

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