

# SAFETY DATA SHEET

## GHS FORMAT

# IKONICS®

Date issued : 11/29/2022  
 SDS number : 652  
 Date revised : 12/13/2022  
 Revision number : 1

## GRAPHICS PRESS WASH

### 1. Identification

**Product identifier:** GRAPHICS PRESS WASH

**Product description:** Press Wash

**Manufacturer / Supplier**

IKONICS

4832 Grand Ave.

Duluth, MN 55807

**Alternate Emergency Phone:** 800-328-4261

**Customer Service:** 218-628-2217

**E-Mail:** sds@ikonics.com

**Web:** www.ikonics.com

**Emergency telephone number (24 hour)**

CHEMTREC + 1 800-424-9300

### 2. Hazard identification

**Classification of the substance or mixture**

**Health hazards:**

Target Organ Toxicity (Single exposure), Category 3

Eye Irritation, Category 2A

Skin Irritation, Category 2

Skin Sensitization, Category 1

Reproductive Toxicity, Category 1

Target Organ Toxicity (Repeated exposure), Category 2

**Physical hazards:**

Flammable Liquids, Category 3

**Label elements**



Flame



Health hazard



Exclamation mark

**Signal word:** DANGER

**Hazard statement(s)**

H226: Flammable liquid and vapour.

H335: May cause respiratory irritation.

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H360: May damage fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H371: May cause damage to organs (or state all organs affected, if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

**Precautionary statement(s)**

**Prevention:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

- P240: Ground and bond container and receiving equipment.  
 P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.  
 P242: Use non-sparking tools.  
 P243: Take action to prevent static discharges.  
 P271: Use only outdoors or in a well-ventilated area.  
 P264: Wash skin thoroughly after handling.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P202: Do not handle until all safety precautions have been read and understood.  
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.

**Response:**

- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P370+P378: In case of fire: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide to extinguish.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312: Call a POISON CENTER/doctor/physician if you feel unwell.  
 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.  
 P332+P313: If skin irritation occurs: Get medical advice/attention.  
 P362: Take off contaminated clothing.  
 P308+P313: IF exposed or concerned: Get medical advice/ attention.

**Storage:**

- P235: Keep cool.  
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
 P405: Store locked up.

**Disposal:**

- P501: Dispose of contents/container in accordance to federal/state/local regulations.

**Comments:** Specific target organ toxicity - single exposure (Category 3), Central nervous system, H335

**3. Composition/information on ingredients**

Chemical name	% w/w	CAS No.	Classification according to Regulation (EC) No 1272/2008 [CLP]
Petroleum Distillate, Aliphatic	25 - 50	68551-17-7	Not classified
Dipropylene glycol methyl ether	25 - 50	34590-94-8	Not classified
Butyldiglycol	2.5 - 15	112-34-5	Not classified
Propylene glycol monomethyl ether	2.5 - 10	107-98-2	Not classified
D-limonene	2.5 - 10	5989-27-5	Not classified

**4. First-aid measures**

- Eye:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
**Skin:** Wash off with soap and plenty of water. Consult a physician.  
**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.  
**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**5. Fire-fighting measures**

- Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Hazardous combustion products:** Not Available  
**Fire fighting equipment:** Wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.  
**Hazardous decomposition products:** Not Available

**6. Accidental release measures**

**Small spill:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

**Large spill:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

#### Environmental precautions

**Water spill:** Do not allow uncontrolled discharge of product into the environment.

### 7. Handling and storage

**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition.

**Conditions for safe storage:** Keep container tightly closed.

**Shelf life:** 36 months

### 8. Exposure controls/personal protection

#### Exposure controls

Control parameters				
Chemical name	Occupational exposure limit values			
	Type	ppm	mg/m <sup>3</sup>	
Petroleum Distillate, Aliphatic	Supplier OEL	TWA	400	
Dipropylene glycol methyl ether	OSHA PEL	TWA	100	600
		STEL	150	900
	ACGIH TLV	TWA	100	
		STEL	150	
Butyldiglycol	ACGIH TLV	TWA	10	
Propylene glycol monomethyl ether	ACGIH TLV	TWA	100	369
		STEL	150	553
D-limonene	ACGIH TLV	TWA	20	

**Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Individual protection measures, such as personal protective equipment

**Eye / face protection:** Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

**Skin protection - hand protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

**Skin protection - other:** Apron recommended.

**Occupational hygiene practices:** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics areas with this material stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restrooms. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

### 9. Physical and chemical properties

<b>Chemical name</b>	<b>Flash Point (°C)</b>
Petroleum Distillate, Aliphatic	135

**Physical state:** Liquid

**Color:** Clear

**Odor:** Citrus

**pH:** 6 to 8

**Freezing point:** Not Available

**Initial boiling point and boiling range:** Not Available

**Flash point:** 42.2°C (108°F) TCC (tested)

**Evaporation rate (n-butyl acetate = 1):** Not Available

**Lower explosion limit / flammability limit:** Not Available

**Vapor pressure:** Not Available

**Relative vapor density:** Not Available

**Relative density:** 0.869

**Solubility:** partial

**Auto-ignition temperature:** Not Available

**Decomposition temperature:** Not Available

**Viscosity:** Not Available

**Molecular weight:** Not Available

**Pour point:** Not Available

**Oxidizing properties:** Not Available

**Percent volatiles:** Not Available

**VOC content:** 867 g/L

## 10. Stability and reactivity

**Reactivity:** Yes

**Chemical stability:** Stable under normal temperatures and pressures.

**Conditions to avoid:** Heat, sunlight

**Hazardous decomposition products:** Not Available

**Incompatible materials:** Strong oxidizing agents, light metals

## 11. Toxicological information

### Acute toxicity

Chemical name	LD <sub>50</sub> (oral) mg/kg(rat)	LD <sub>50</sub> (dermal) mg/kg(rabbit)	LC <sub>50</sub> (inhalation) mg/l
Petroleum Distillate, Aliphatic	> 5000 mg/kg [Rat]	> 5000 mg/kg [Rat]	> 4.9 mg/L [Rat] 4 h
Dipropylene glycol methyl ether	5152 mg/kg [Rat]		
Butyldiglycol	~ 7291 mg/kg [Rat]	2764 mg/kg [Rabbit]	
Propylene glycol monomethyl ether	11700 mg/kg [Mouse]	13000 mg/kg [Rabbit]	10000 ppm/5H [Rat]
D-limonene	4400 mg/kg [Rat]	5000 mg/kg [Rabbit]	

**Acute dermal toxicity LD<sub>50</sub>:** Not yet Determined

**Acute oral toxicity LD<sub>50</sub>:** Not yet Determined

**Acute inhalation toxicity LC<sub>50</sub>:** Not yet Determined

### Carcinogenicity

Chemical name	NTP	IARC	OSHA
Dipropylene glycol methyl ether	Not Listed	Not Listed	Not Listed
Propylene glycol monomethyl ether	Not Listed	Not Listed	Not Listed
D-limonene	Not Listed	3	Not Listed

**IARC:** 3 - Group 3: Not classifiable as to its carcinogenicity to humans (D-Limonene)

**NTP:** Not Listed

**OSHA:** Not Listed

## 12. Ecological information

### Aquatic toxicity, both acute and chronic

**Notes:** CAS # 5989-27-5: Toxicity to fish flow-through test LC50 - Pimephales promelas (fathead minnow) - 0.72 mg/l - 96 h (OECD Test Guideline 203) Toxicity to daphnia and other aquatic invertebrates Immobilization EC50 - Daphnia magna (Water flea) - 0.36 mg/l - 48 h (OECD Test Guideline 202) Toxicity to bacteria EC50 - Sludge Treatment - 3.94 mg/l (OECD Test Guideline 209)

## 13. Disposal considerations

**Disposal methods:** Dispose of in accordance with all current local, state and federal regulations.

**Empty container:** Dispose of as unused product.

## 14. Transport information

### USA Department of Transport Regulations (DOT)

**UN proper shipping name:** Combustible liquids, n.o.s. (naphtha solvent, dipropylene glycol methyl ether)

**DOT other shipping information:** This product is classified as combustible liquid per DOT 173.150(f) - "flammable liquid with a flash point at or above 38 °C (100 °F) that does not meet the definition of any other hazard class may be reclassified as a combustible liquid. This provision does not apply to transportation by vessel or aircraft, except where other means of transportation is impracticable"

### ICAO / IATA - air

**UN proper shipping name:** Flammable liquids, n.o.s. (naphtha solvent, dipropylene glycol methyl ether)

**UN number:** UN1993

**Transport hazard class(es):** 3

**Packing group, if applicable:** III



**Hazard label:**

## 15. Regulatory information

### UNITED STATES

#### SARA Section 311/312 Hazard Categories

**311/312 Health hazards:** FIRE HAZARD, ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD

#### EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.
Butyldiglycol	2.5 - 15	112-34-5

**TSCA (The Toxic Substances Control Act)**

Chemical name	CAS No.	TSCA section
Petroleum Distillate, Aliphatic	68551-17-7	
Butyldiglycol	112-34-5	12b,
Propylene glycol monomethyl ether	107-98-2	
D-limonene	5989-27-5	

**TSCA regulatory:** All components of this product are listed on the TSCA Inventory.

**Regulations**

**State regulations:** CAS # 107-98-2 CA Hazardous Substance, Idaho Air Pollutant, Massachusetts Hazardous Substance, Minnesota Hazardous Substance, Pennsylvania Hazardous Substance, Washington PELs for Air Contaminants, Wisconsin Hazardous Air Contaminant. CAS # 112-34-5 New Jersey RTK Hazardous Substance, Pennsylvania Hazardous Substance, CAS # 34590-94-8 Massachusetts Hazardous Substance, New Jersey RTK Hazardous Substance, Pennsylvania Hazardous Substance, CAS # 5989-27-5 New Jersey RTK Hazardous Substance, Pennsylvania Hazardous Substance, CAS # 68551-17-7 New Jersey RTK Hazardous Substance, Pennsylvania Hazardous Substance

**California Proposition 65:** None

**CANADA****WHMIS Hazard Symbol and Classification**

Combustible  
Liquid



Toxic

**WHMIS Regulatory Status:** Controlled Product

**WHMIS Classification:** B, D

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):** All components of this product are listed on the Domestic Substances List.

**16. Other information**

**Approved by:** Troy Bergstedt      **Title:** Director of Chemical Research

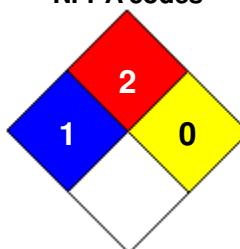
**Prepared by:** Troy Bergstedt      **Date revised:** 12/13/2022

**Information contact:** Troy Bergstedt

**Revision summary:** This SDS replaces the 11/29/2022 SDS. Revised: **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

**HMIS rating**

Health	1
Flammability	2
Physical hazard	0
Personal protection	B

**NFPA codes**

**Manufacturer disclaimer:** The information contained in the present sheet is based on our knowledge, on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.