



SAFETY DATA SHEET

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards


MSDS Revision: 1.3

MSDS Revision Date: 09/15/2012

1. PRODUCT IDENTIFICATION

1.1	Product Name: WEBER ORIGINAL LIGHTER CUBES
1.2	Chemical Name: N-ALKANE HYDROCARBON
1.3	Synonyms: NA
1.4	Trade Names: WEBER ORIGINAL LIGHTER CUBES
1.5	Product Use: NA
1.6	Distributor's Name: WEBER-STEPHEN PRODUCTS, LLC
1.7	Distributor's Address: 200 EAST DANIELS ROAD, PALATINE, IL 60067-6266 USA
1.8	Emergency Phone: CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300
1.9	Business Phone: +1 (800) 446-1071 / +1 (847) 407-8900

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia). WARNING! FLAMMABLE SOLID. Hazard Statements (H): H228 – Flammable solid. Precautionary Statements (P): P102 – Keep out of reach of children. P103 – Read label before use. P210 – Keep away from heat/ open flames. P280 – Wear protective gloves. P305+P351+P338 – IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P333+P313 – If skin irritation or a rash occurs - Get medical advice/attention. P370+P378 - In case of fire, CO₂, Halon (if permitted), dry chemical, or foam for extinction. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).			
2.2	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: YES		
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES: Irritating to eyes. Symptoms of overexposure may include redness, itching, irritation and watering. SKIN: May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact. INHALATION: Vapors of this product may be slightly irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure may include coughing, wheezing, nasal congestion, and difficulty breathing.			
2.4	Symptoms of Overexposure: Overexposure in eyes may cause redness, itching and watering. The product can cause an allergic skin reaction (e.g., rashes, welts, dermatitis) in some sensitive individuals. Symptoms of skin overexposure in individuals may include redness, itching, and irritation of affected areas.			
2.5	Acute Health Effects: Mild to moderate irritation to eyes. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.			
2.6	Chronic Health Effects: Contains petroleum distillates, may be harmful when ingested. Repeated exposure may cause skin dryness or cracking. The product can cause an allergic skin reaction (e.g., rashes, welts, dermatitis) in some sensitive individuals.			
2.7	Target Organs: Eyes			

NA = Not Available; ND = Not Determined; NE = Not Established; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used
 NOTE: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2010 format.



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3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)								
					ACGIH		NOHSC			OSHA			OTHER
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
HYDROCARBONS, C10-C13, N-ALKANES, < 2% AROMATICS	93924-07-3	NA	929-018-5	60-100	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

4.1	First Aid: INGESTION: If ingested, do not induce vomiting. Drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer plenty of water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time and amount of the substance that was swallowed. EYES: If product is in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. If problem persists, consult a physician. SKIN: If redness, dryness or other signs of irritation to the skin develops, wash affected skin areas with plenty of warm water and soap. If irritation persists, consult a physician. INHALATION: Remove victim to fresh air at once.											
4.2	Medical Conditions Aggravated by Exposure: None known.	<table border="1"> <tr><td>HEALTH</td><td>1</td></tr> <tr><td>FLAMMABILITY</td><td>3</td></tr> <tr><td>REACTIVITY</td><td>0</td></tr> <tr><td>PROTECTIVE EQUIPMENT</td><td>A</td></tr> <tr><td>EYES</td><td></td></tr> </table>	HEALTH	1	FLAMMABILITY	3	REACTIVITY	0	PROTECTIVE EQUIPMENT	A	EYES	
HEALTH	1											
FLAMMABILITY	3											
REACTIVITY	0											
PROTECTIVE EQUIPMENT	A											
EYES												

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: - 4 °C (24 °F) estimated	
5.2	Autoignition Temperature: NA	
5.3	Flammability Limits:	Lower Explosive Limit (LEL): NE Upper Explosive Limit (UEL): NE
5.4	Fire & Explosion Hazards: WARNING: Flammable! Keep away from heat, lit cigarettes, sparks & open flame. Keep container closed.	
5.5	Extinguishing Methods: CO₂, Halon, Dry Chemical, Foam HazChem Code: 3YE Hazard Identification Number: 33	
5.6	Firefighting Procedures: When involved in a fire, this product will ignite readily and decompose to produce carbon oxides. Vapors of this product are heavier than air and may travel to a source of ignition and flash back to a leaking or open container. First responders should wear eye protection. Structural firefighters must wear SCBAs and full protective equipment. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.	



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6. ACCIDENTAL RELEASE MEASURES

6.1	<p>Spills:</p> <p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.</p> <p>For small spills (e.g., ≤ 10 lbs (4.5 kg)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (e.g., open doors/windows). Remove spilled material with non-sparking tools and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.</p> <p>For large spills (e.g., > 10 lbs (4.5 kg)), deny entry to all unprotected individuals. Maximize ventilation (e.g., open doors/windows, local exhaust ventilation/fans). Remove spilled material with non-sparking tools and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.</p>
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7. HANDLING & STORAGE INFORMATION

7.1	<p>Work & Hygiene Practices:</p> <p>Avoid prolonged contact with the product. Avoid breathing vapors of this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.</p>
7.2	<p>Storage & Handling:</p> <p>Keep this material away from heat, sparks and open flame. Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care. Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Store away from incompatible materials (see Section 10).</p>
7.3	<p>Special Precautions:</p> <p>Open containers slowly on a stable surface. Keep container tightly closed when not in use. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care.</p>

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	<p>Ventilation & Engineering Controls:</p> <p>Use with adequate ventilation (e.g., local exhaust ventilation is preferred, fans, open doors and windows). Use in a chemical fume hood when working with large quantities of product and provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.</p>
8.2	<p>Respiratory Protection:</p> <p>No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.</p>
8.3	<p>Eye Protection:</p> <p>Avoid eye contact. Safety glasses with side shields should be used when handling large quantities (e.g., > 10 lbs (4.5 kg)) of this product. If necessary, refer to U.S. OSHA 29 CFR §1910.133, Canadian standards, or the European Standard EN166.</p>
8.4	<p>Hand Protection:</p> <p>None required under normal conditions of use. However, may cause skin irritation and/or allergic sensitivity in some sensitive individuals, so when product is being mixed, or handled, wear gloves made of latex, rubber (nitrile), vinyl or other impervious material. If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex, rubber (nitrile), vinyl or other impervious gloves. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.</p>
8.5	<p>Body Protection:</p> <p>No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.</p>

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.8 g/ml
9.2	Boiling Point:	NA
9.3	Melting Point:	NE
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	NA
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	White, waxy solid with slight petroleum odor.
9.8	Odor Threshold:	ND
9.9	Solubility:	Insoluble
9.10	pH	NA
9.11	Viscosity:	NA
9.12	Other Information:	NA



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10. STABILITY & REACTIVITY

10.1	Stability: This product is stable under ambient conditions when stored properly (see Section 7, Storage and Handling).
10.2	Hazardous Decomposition Products: Oxides of carbon (CO, CO₂) and sulfur (SO₂).
10.3	Hazardous Polymerization: May occur, if exposed to extremely high temperatures.
10.4	Conditions to Avoid: Open flames, sparks, high heat and direct sunlight.
10.5	Incompatible Substances: This product is incompatible with strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or muriatic acids), strong bases (e.g., lye, potassium hydroxide).

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data: The product has NOT been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. This data has not been presented in this document.
11.2	Acute Toxicity: See section 2.5
11.3	Chronic Toxicity: See section 2.6
11.4	Suspected Carcinogen: NA
11.5	Reproductive Toxicity: This product is not reported to produce reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to produce teratogenic effects in humans.
	Reproductive Toxicity: This product is not reported to produce reproductive effects in humans.
11.6	Irritancy of Product: See Section 2.3
11.7	Biological Exposure Indices: NE
11.8	Physician Recommendations: Treat symptomatically.

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: When released into water, this material is not expected to evaporate significantly. This material is not expected to significantly bioaccumulate.
12.2	Effects on Plants & Animals: There is no specific data available for this product.
12.3	Effects on Aquatic Life: The manufacturer has not reported any effects on aquatic life.



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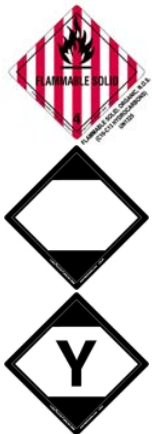
13. DISPOSAL CONSIDERATIONS

- 13.1 Waste Disposal:
Dispose of in accordance with federal, state and local regulations.
- 13.2 Special Considerations:
U.S. EPA WASTE NUMBER: D001 (characteristic - ignitable)

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

- 14.1 49 CFR (GND):
UN1325, FLAMMABLE SOLIDS, ORGANIC, N.O.S. (C₁₀-C₁₃ HYDROCARBONS), 4.1, III, LTD QTY (IP VOL ≤ 5.0 kg)
- 14.2 IATA (AIR):
UN1325, FLAMMABLE SOLIDS, ORGANIC, N.O.S. (C₁₀-C₁₃ HYDROCARBONS), 4.1, III, LTD QTY (IP VOL ≤ 1.0 kg)p
- 14.3 IMDG (OCN):
UN1325, FLAMMABLE SOLIDS, ORGANIC, N.O.S. (C₁₀-C₁₃ HYDROCARBONS), 4.1, III, LTD QTY (IP VOL ≤ 5.0 kg)
- 14.4 TDGR (Canadian GND):
MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (≤ 5.0 kg)
- 14.5 ADR/RID (EU):
UN1325, FLAMMABLE SOLIDS, ORGANIC, N.O.S. (C₁₀-C₁₃ HYDROCARBONS), 4.1, III, LTD QTY (IP VOL ≤ 5.0 kg)
- 14.6 MEXICO (SCT):
UN1325, SOLIDOS, INFLAMABLE, ORGANICO, N.E.P. (C₁₀-C₁₃ HIDROCARBON), 4.1, III, CANTIDAD LIMITADA (IP VOL ≤ 5.0 kg)
- 14.7 ADGR (AUS):
UN1325, FLAMMABLE SOLIDS, ORGANIC, N.O.S. (C₁₀-C₁₃ HYDROCARBONS), 4.1, III, LTD QTY (IP VOL ≤ 5.0 kg)



15. REGULATORY INFORMATION

- 15.1 SARA Reporting Requirements:
This product does not contain any substances subject to SARA Title III reporting requirements.
- 15.2 SARA Threshold Planning Quantity:
NA
- 15.3 TSCA Inventory Status:
All chemical substances of this product are listed on the TSCA inventory or are otherwise exempted from inventory status.
- 15.4 CERCLA Reportable Quantity (RQ):
NA
- 15.5 Other Federal Requirements:
NA

- 15.6 Other Canadian Regulations:
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.
- 15.7 State Regulatory Information:
The components of this product, present in a concentration of 0.1% or more, are not listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), and Wisconsin Hazardous Substances List (WI).



- 15.8 67/548/EEC (European Union) Requirements:
The primary component of this product is not listed in Annex I of EU Directive 67/548/EEC.
WARNING! FLAMMABLE SOLID.
Hazard Statements (H): H228 – Flammable solid.
Precautionary Statements (P): P102 – Keep out of reach of children. P103 – Read label before use. P210 – Keep away from heat/ open flames. P280 – Wear protective gloves. P305+P351+P338 – IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P333+P313 – If skin irritation or a rash occurs - Get medical advice/attention. P370+P378 - In case of fire, CO₂, Halon (if permitted), dry chemical, or foam for extinction. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).
HazChem Code: 3YE
Poison Schedule: None allocated.





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16. OTHER INFORMATION

16.1	Other Information: WARNING! FLAMMABLE SOLID. Keep away from heat or flame. Use only as directed. Avoid eye contact. If contact occurs, flush eye thoroughly with running water. Use only in a well-ventilated area. If redness or other signs of adverse reaction occur, discontinue use immediately. Keep container closed. Store in a cool place. KEEP OUT OF REACH OF CHILDREN.
16.2	Terms & Definitions: Please see last page of this Safety Data Sheet (SDS).
16.3	Disclaimer: This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & Weber-Stephen Products, LLC's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Prepared for: Weber-Stephen Products, LLC 200 East Daniels Road Palatine, IL 60067-6266 USA Tel: +1 (847) 934-5700 Tel: +1 (800) 446-1071 toll-free Fax: +1 (847) 407-8900 http://www.weber.com/ 
16.5	Prepared by: ShipMate, Inc. P.O. Box 787 Sisters, OR. 97759-0787 Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com 



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DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
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EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
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HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	Consult your supervisor or SOPs for special handling directions.

Note: the dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.

OTHER STANDARD ABBREVIATIONS:

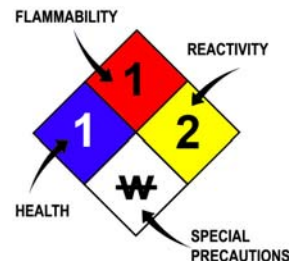
NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₀₁ or TC, TC ₀₁ , LC ₁₀ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
T _m	Median threshold limit
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

A	B	C	D1	D2	D3	E	F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful/Irritating	Health Hazard	Environment