



Safety Data Sheet

Section 1: Identification of the Product/Company

Product Identifier:

Product Name: FLORIGINAL

Product Code:

Relevant identified uses of the substance or mixture

Recommended use:

For professional use

Uses advised against:

Keep away from children

Details of the supplier of the safety data sheet

Manufacturer:

Super Stone Inc.
1251 Burlington Street
Opa-Locka, FL 33054
United States
www.superstone.com
(305) 681-3561

Telephone (General)

Emergency telephone number

Manufacturer: (800) 424-9300 (Chemtrec) USA
+ 1 (703) 527-3887 (Chemtrec) International

Section 2: Hazards Identification

Classification of the substance or mixture

GHS-US classification

Flammable liquids:	Category 2, H226
Skin irritation:	Category 2, H315
Hazardous to aquatic environment: Acute	Category 2, H401

Label elements

GHS-US labeling



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The substance is classified and labeled according to the Globally Harmonized System (GHS).

Hazard Pictograms (GHS-US)



GHS02



GHS07

Signal words (GHS-US):

Warning

Hazards statements (GHS-US):

H226 Flammable liquid and vapor
H315 Causes skin irritation
H401 Toxic to aquatic life

Precautionary statements (GHS-US)

Prevention:

P210 Keep away from heat, hot surfaces, open flames, sparks –No smoking
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical, lighting, ventilating equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P264 Wash exposed skin thoroughly after handling
P273 Avoid release to the environment
P280 Wear protective gloves, clothing, and eye/ face protection

Response:

P303+P361+P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower



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P332+ P313 If skin irritation occurs: Get medical advice/ attention

P363 Wash contaminated clothing before reuse

P370+P378 In case of fire: Use carbon dioxide (CO₂), powder, alcohol resistant foam to extinguish

Storage:

P403+P235 Store in a well ventilated place. Keep cool

Disposal:

P501 Dispose of contents and containers in accordance with local, regional and international regulations

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)-Annex III

Other hazards

The substance/mixture does not meet the PBT/vPvB criteria of REACH, annex XIII

Unknown acute toxicity (GHS-US)

No data available

Section 3: Composition/information on ingredients

Substances

Name	Product Identifier	% by weight	GHS-US classification
Aromatic Hydrocarbons	CAS # 1330-20-7 EC # 215-535-7	41-43	Flammable liquid 3, H226 Skin irritation 2, H315 Aquatic acute 2, H401

Amounts specified are typical and do not represent a specification. Any other ingredients are either proprietary, non-hazardous or present in amounts below the reportable limits.



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Section 4: First aid measures

Description of necessary first aid measures

First-aid measures general:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with labored breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: consult doctor/ hospital. Never give alcohol to drink.

First-aid measures after inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact:

Wash immediately with lots of water. Soap may be used. Do not apply (chemical) neutralizing agents. Take victim to a doctor if irritation persists.

First-aid measures after eye contact:

Rinse immediately with plenty of water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

First-aid measures after ingestion:

Rinse mouth with water. Do not induce vomiting. Call Poison Information Centre (www.big.be/antigif.htm). Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital.

Most important and effects, both acute and delayed

Symptoms/injuries after inhalation:

EXPOSURE TO HIGH CONCENTRATIONS: Irritation of respiratory tract. Irritation of nasal mucous membranes. Central nervous system depression. Dizziness. Headache. Coordination disorders. Disturbed motor response. Impaired memory. Disturbances of consciousness.

Symptoms/injuries after skin contact:

Tingling/irritation of the skin.

Symptoms/injuries after eye contact:

Irritation of the eye tissue

Symptoms/injuries after ingestion:

AFTER ABSORPTION OF LARGE QUANTITIES: Enlargement/disease of the liver. Symptoms similar to those listed under inhalation.

Indication of any immediate medical attention and special treatment needed



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No additional information available

Section 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water spray, Poly-valent foam, Alcohol-resistant foam, BC powder, Carbon dioxide

Unsuitable extinguishing media:

Solid water jet ineffective as extinguishing medium

Special hazards arising from the substance or mixture

Fire hazard:

The product is a flammable liquid with accompanying flammable vapor. Keep containers tightly closed. Isolate the product from heat, electrical equipment, sparks, open flame and other sources of ignition. In this case fog nozzles are preferable.

Explosion hazard:

DIRECT EXPLOSION HAZARD. Gas/ vapor explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD: may be ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard".

Reactivity:

Upon combustion: CO and CO₂ are formed. Reacts violently with (strong) oxidizers; (increased) risk of fire/explosion. Reacts with (some) acids

Advice for firefighters

Firefighting instructions:

Cool tanks/drums with water spray/remove them into safety

Protection during firefighting:

Heat/fire exposure: compressed air/oxygen apparatus

Precautionary measures fire

Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: seal off low-lying areas. Exposure to fire/heat: have neighborhood close doors and windows.

Additional information

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures



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General measures:

Remove all sources of ignition (flame, hot surfaces and electrical, static or frictional sparks). Avoid contact and avoid breathing the vapors. Use self-contained breathing apparatus.

For non-emergency personnel

Protective equipment:

Gloves. Face-shield. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. See "Material Handling" to select protective clothing.

Emergency procedures:

Mark the danger area. Stop engines and no smoking. No naked flames or sparks. Spark- and explosion-proof appliances and lighting equipment. Wash contaminated clothes. Large spills/in confined spaces: consider evacuation. In case of reactivity hazard: consider evacuation.

For emergency responders

Protective equipment:

Equip clean-up crew with proper protection. Do not breathe gas, fumes, vapor or spray.

Emergency procedures:

If a major spill occurs, all personnel should be immediately evacuated and the area ventilated. Stop release. Ventilate area

Environmental precautions

Prevent spreading into sewers

Methods and material for containment and cleaning up.

For containment:

Stop leak if without risk. Move containers from spill area. Contain by diking with sand, earth or other non-combustible material.

Methods for cleaning up:

Wear proper personal protective clothing and equipment. Absorb spill with an inert material. Place into labeled, closed container and store into a safe location to await disposal. Change contaminated clothing and launder before reuse.

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protective equipment

See Section 13 for disposal information

Section 7: Handling and storage

Precautions for safe handling

Additional hazards when processed:



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Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace. Do not breathe dust, vapor, mist or gas. Persons with a history of skin sensitization problems should not be employed in any process in which this product was used. Do not get in eyes

Hygiene measures:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Conditions for safe storage, including any incompatibilities

Technical measures:

Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion proof electrical, lighting and ventilating equipment.

Storage conditions:

Keep containers tightly closed and upright when not in use. Keep from freezing. Protect from physical damage.

Incompatible products:

See section 10

Incompatible materials:

See section 10

Storage area:

The product should be stored in a cool, dry and well ventilated area, at ambient temperature directly out of the sunlight.

Special rules on packaging:

Do not store in open, unlabeled or mislabeled containers. Keep containers closed at all times when not in use.

Specific end use(s)

Coating

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits:

For some aromatic constituents of C8 and C9

Chemical Name	CAS #	EXPOSURE LIMITS
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Xylene	1330-20-7	OSHA PEL 100 ppm ACGIH TLV 100 ppm
Cumene	98-82-8	OSHA PEL 50 ppm ACGIH TLV 50 ppm
Trimethylbenzene	95-63-6	OSHA PEL 25 ppm ACGIH TLV 25 ppm
Naphtha	8030-30-6	OSHA PEL 2,000 mg/m ³ ACGIH TWA 350 mg/m ³

Exposure controls

Appropriate engineering controls:

Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion proof equipment. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Wear fire-proof clothing, protective goggles and gloves. Wear respiratory protection in a poor ventilated environment.

Hand protection:

Wear chemically resistant protective gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear fireproof clothing

Respiratory protection:

If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Thermal hazard protection:

Wear suitable protection clothing

Other information:

When using, do not eat, drink or smoke

Section 9: Physical and chemical properties

Information on basic physical and chemical properties



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Physical state:	Liquid
Appearance:	
Color:	Transparent/Clear
Odor:	Aromatic solvent/Pungent
Odor threshold:	Not determined
pH:	Not Applicable
Relative evaporation rate (butyl acetate=1):	Slower, 0.27
Boiling Range:	322-340° F
Melting point:	Not Determined
Freezing point:	7° F
Auto-ignition temperature:	Not available
Decomposition temperature:	Not Determined
Flammability (solid, gas):	Not Applicable
Vapor pressure:	Not Determined
Flash Point:	104° F
Flash Point Method:	Tag Closed Cup
Relative vapor density @ 20 ° C:	Heavier than air
Relative density:	0.87
Density:	7.3 lbs / gal
Solubility:	Insoluble in water
Log Pow:	Not available
Log Kow:	3.2 to 3.9 @ 25° C
Viscosity, kinematic:	1,265 cSt @ -20° C
Viscosity, dynamic:	Not available
Explosive properties:	None, however formation of explosive air/vapor mixture is possible
Oxidizing properties:	None known
Explosive limits:	1.0% (V) lower & 7.4% (V) upper

Other information:

No further relevant information available

Section 10: Stability and reactivity

Reactivity

Exothermic reactions including polymerization may occur in contact with amines, strong acids, strong bases, alcohols, strong oxidizing agents and excessive heat.

Chemical Stability



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Product is stable under normal storage conditions

Conditions to Avoid

High temperatures (excessive heat) over a period of time and sources of ignition degrade the resin

Incompatible Materials

Avoid strong acids, bases and strong oxidizers. Avoid contact with amines.

Hazardous Decomposition Products

Thermal decomposition may produce smoke, Carbon Monoxide, Carbon Dioxide, Aldehydes and other products of incomplete combustion. Phenolics

Section 11: Toxicological information

Information on toxicological effects

TOXICITY MEASURES:

Chemical Name	LD50/LC50
Aromatic Hydrocarbons	Oral LD50: Rat >14,000 mg/kg Dermal LD50: Rabbit >2,000 mg/kg Inhalation LC50: Rat 6,000-10,000 mg/m ³

Skin corrosion/irritation:

Caustic slight skin irritation

Serious eye damage/irritation:

Data insufficient for classification

Respiratory or skin sensitization:

Not classified, not sensitizing

Germ cell mutagenicity:

This product presents positive results of mutagenicity in in vitro studies.

Carcinogenicity:

There are in vivo studies that indicate positive results of kidney cancer

Reproductive toxicity:

This product is suspected as a human reproductive toxicant

Specific target organ toxicity (single exposure):

May cause dizziness and drowsiness

Specific target organ toxicity (repeated exposure):

May cause damage to organs (Central Nervous System) through prolonged or repeated exposure

Aspiration hazard:

May be fatal if swallowed and enters airways



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Symptoms/injuries after inhalation:

The product contains organic solvents which in case of overexposure may depress the central nervous system. Abusive inhalation has been reported to be associated with birth defects in the offspring of the abusers.

Symptoms/injuries after eye contact:

Burning and stinging of the eyes may persist

Symptoms/injuries after ingestion:

Harmful if swallowed as product may enter lungs

Section 12: Ecological information

All work practices must be aimed at eliminating environmental contamination.

Toxicity

May cause long term adverse effects in the aquatic environment.

Persistence and degradability

In biodegradable studies, this product was not readily biodegradable.

Bio-accumulative potential

The constituents of this product have a potential to bio-accumulate.

Mobility in soil

Not determined for this product

Other adverse effects

Not determined for this product

Section 13: Disposal considerations

Waste treatment methods

Regional legislation (waste):

Dispose of unused contents (incineration) in accordance with national and local regulations.

Waste disposal recommendations:

Ensure the use of properly authorized waste management companies where appropriate.

Section 14: Transport information

In accordance with ICAO/IATA/DOT/TGD

Land transport

Department of transportation (DOT):



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This product is classified as Dangerous Goods, per U.S DOT regulations, under 49 CFR 172.101

UN No:	1268
Proper Shipping Name:	Petroleum Distillate
Hazard classes:	3
Hazard labels (DOT):	Flammable material
Packing group (DOT):	III
DOT Label(s) required:	Class 3 (Flammable)
DOT Special Provisions (49 CFR 172.102):	83
Explosive Limit and Limited Quantity Index:	5
ERAP Index:	None
Passenger Carrying Ship Index:	None
Passenger Carrying Road or Rail Vehicle Index:	60
Additional information	
Emergency Response Guide (ERG) Number:	128
Other information:	

Transport by sea

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO)

UN No.:	1268
Proper Shipping Name:	Petroleum Distillates
Hazard Class Number:	3 (Flammable)
Labels:	Class 3 (Flammable)
Packing Group:	III
Special Provisions:	None
Limited Quantities:	5 Liters
Excepted Quantities:	E2
Packing:	Instructions: P001; Provisions: PP1
IBCs:	Instructions: IBC02; Provisions: None
Tanks:	Instructions: T4; Provisions: T1, TP8
EmS:	F-E, S-E
Stowage Category:	Category B
Marine Pollutant:	Designated as a marine pollutant

Air transport

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA):

This product is classified as dangerous goods per IATA



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UN Number:	1268
Proper Shipping Name:	Petroleum Distillates
Hazard Class or Division:	3 Flammable
Hazard Label(s) Required:	Class 3 (Flammable)
Packing Group:	III
Excepted Quantities:	E2
Passenger & Cargo Aircraft Packing Instructions:	353
Passenger & Cargo Aircraft Maximum Net Quantity per package:	5 Liters
Passenger & Cargo Aircraft Limited Quantity Packing Instructions:	Y341
Passenger & Cargo Aircraft Limited Quantity Maximum Net Quantity per package:	1 Liter
Cargo Aircraft Only Packing Instructions:	364
Cargo Aircraft Only Maximum Net Quantity per Package:	60 Liters
Special Provisions:	A3
ERG Code:	3L

Section 15: Regulatory information

U.S. Federal Regulations

U.S. OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations

U.S SARA Reporting Requirements:

The following components of this product are subject to reporting requirements of sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

CHEMICAL	SECTION 302 EHS (TPQ) (40 CFR 355, Appendix A)	SECTION 304 RQ (40 CFR Table 302.4)	SECTION 313 TRI (40 CFR 372.65)
Aromatic Hydrocarbons	No	No	Yes

SARA Section 311/312 (40 CFR 370) Hazard Categories:

ACUTE: Yes; CHRONIC: Yes; FIRE: Yes; REACTIVE: No; SUDDEN RELEASE: No

Toxic Substances Control Act (TSCA):

All components of this product are included on the TSCA inventory

U.S. CERCLA Reportable Quantity (RQ):

Not subjected to reporting requirements

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):



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This product does not contain chemicals known to the State of California to cause cancer or developmental harm.

European Inventory of Existing Chemicals (EINECS):

All of the components of this product are included on EINECS.

Section 16: Other information

Indication of changes:

Other information:

Full text of H phrases:

STOT SE 3	Specific Target Organ Toxicity-Single Exposure, Category 3, Narcosis



NFPA health hazard: 2-Moderately toxic or hazardous material which require additional PPE or equipment than safety goggles and gloves.

NFPA fire hazard: 2-Liquids and solids must be moderately heated or exposed to a high ambient temperature before ignition can occur.

NFPA reactivity: 0-Normally stable, even under fire exposure conditions, and not reactive with water

Notice to Reader

The information provided herein is believed to be accurate at the time of preparation or prepared from sources deemed to be reliable, but it is the full responsibility of the user to investigate and comprehend other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. **Super Stone Inc. makes no warranty, expressed or implied, concerning the product or merchantability or fitness thereof for any purpose or concerning the accuracy of any information provided by Super Stone Inc., except that the product shall conform to Super Stone's specification.**