USA SUPPLY

Safety Data Sheet

Issuing date 25-Nov-2013 **Revision Date** 25-Feb 2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product name **Solid Magic**

Product number **SM-49 , SM 4-10**
Reference number
Distributor number

UN/ID No **UN3262**

Recommended use Solid Alkaline Detergent

Manufacturer:
USA Lease Inc.
620 Sunset Blvd
WestColumbia,S.C
29169

Company Emergency Phone Number
803 269-1588

Chemical Emergency Phone Number INFOTRAC 1-800-535-5053

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive; causes burns to eyes and skin
Harmful by inhalation, in contact with skin and if swallowed

Appearance White to off-white, Solid **Physical state** Solid. **Odor** Neutral

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Potential Health Effects
Principle Routes of Exposure Eye contact Skin contact Ingestion

Acute toxicity
Eyes Corrosive - causes irreversible eye damage
Skin Corrosive; Causes severe burns

Inhalation	Irritating to respiratory system
Ingestion	Corrosive; Causes severe burns

Chronic Effects No information available

Aggravated Medical Conditions Pre-existing eye, skin and respiratory disorders.

Environmental hazard See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS-No	Weight %
Sodium hydroxide	1310-73-2	50 -55%
Sodium metasilicate	497-19-8	1-5%
Polycaroxylates	52255-49-9	1-5%

4. FIRST AID MEASURES

General advice Show this safety data sheet to the doctor in attendance.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes Seek immediate medical attention/advice

Skin contact Rinse immediately with plenty of water and seek medical advice

Inhalation Move to fresh air

Ingestion DO NOT induce vomiting. Give large amounts of water if victim is conscious. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Notes to physician Treat symptomatically

Protection of First-aiders Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable

Flash point Not determined.

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Hazardous Combustion Products Carbon monoxide may be formed during combustion Phosphorus oxides

Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

Specific hazards arising from the chemical Contact with metals may evolve flammable hydrogen gas

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA	**Health Hazard** 3	**Flammability** 0	**Stability** 1	**Physical and chemical hazards** COR
HMIS	**Health Hazard** 3	**Flammability** 0	**Physical Hazard** 1	**Personal protection** -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation Do not get in eyes, on skin, or on clothing Wear protective gloves/clothing and eye/face protection

Environmental precautions Keep out of waterways. Neutralization is normally necessary before waste water is discharged into water treatment plants.

Methods for Containment Prevent further leakage or spillage if safe to do so

Methods for cleaning up Sweep up. Transfer to appropriate waste container. Neutralize residue with mild acid and flush with water.

7. HANDLING AND STORAGE

Advice on safe handling Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water Do not eat, drink or smoke when using this product

Technical measures/Storage conditions Keep tightly closed in a dry and cool place Store away from strong acids, aluminum, and other reactive metals Keep out of the reach of children

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Review Section 3 & 4 for Exposure Guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2		TWA: 2 mg/m^3	IDLH: 10 mg/m^3 Ceiling: 2 mg/m^3

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures Ensure adequate ventilation and that running water is available for washing eyes and skin

Personal Protective Equipment Institutional Environment

Eye/Face Protection	Tightly fitting safety goggles
Consumer Environments	Care should be taken to avoid Eye contact.
Skin and body protection	Rubber gloves
Respiratory protection	Ensure adequate ventilation
Hygiene measures	Practice good personal hygiene. Wash after handling.

Personal Protective Equipment Industrial Environment

Eye/Face Protection	Splash-proof chemical goggles or face shield.
Skin and body protection	Alkali proof gloves Chemical resistant apron
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene measures	Do not eat, drink or smoke when using this product Wash hands before breaks and immediately after handling the product

PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Solid		
Appearance	White to off-white Solid	**Odor**	Neutral
Color	white off-white		

Property	**Values**	**Remarks Methods**
pH	13.5 ± 0.5	@1%
Melting/freezing point		No data available
Freezing Point		No data available
Boiling point/boiling range	N/A	not applicable
Flash Point		Not flammable
Evaporation rate	N/A	not applicable
Flammability (solid, gas)		No information available
Flammability Limits in Air		No information available
upper flammability limit		
lower flammability limit		
Explosion Limits		
upper		
lower		
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity	N/A	No information available
Water solubility		Completely soluble.

9.2 Other information

VOC Content(%)	negligible

9. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions Hygroscopic

Incompatible products Aluminum, Tin, Zinc, and Acids

Conditions to Avoid None known based on information supplied

Hazardous Decomposition Products Hydrogen gas in contact with some metals.

Hazardous Polymerization Hazardous polymerization does not occur

10. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information Harmful by inhalation, in contact with skin and if swallowed.

Inhalation Inhalation of dust in high concentration may cause irritation of respiratory system

Eye contact Corrosive to the eyes and may cause severe damage including blindness

Skin contact Corrosive Causes burns

Ingestion Corrosive - causes severe burns to gastrointestinal tract.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide	140 mg/kg (Rat)	1350 mg/kg (Rabbit)	

Chronic toxicity

Chronic toxicity No information available

Carcinogenicity There are no known carcinogenic chemicals in this product

Target Organ Effects None known.

11. ECOLOGICAL INFORMATION

Ecotoxicity
Large amounts will affect pH and harm aquatic organisms Neutralization is normally necessary before waste water is discharged into water treatment plants

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Sodium hydroxide		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		

Bioaccumulation Not likely to bioaccumulate.

Mobility Will likely be mobile in the environment due to its water solubility.

12. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated packaging Do not re-use empty containers

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Sodium hydroxide	Toxic Corrosive

13. TRANSPORT INFORMATION

DOT Regulated

Proper shipping name	Corrosive solid, basic, inorganic, n.o.s.(Sodium Hydroxide)
Hazard class	8
UN/ID No	3262
Packing Group	lll
Emergency Response Guide Number	154

International Inventories

14. REGULATORY INFORMATION

TSCA	TSCA
DSL	Complies
NDSL	Complies
EINECS	Complies
ELINCS	-
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	Yes

Clean Water Act
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide	1000 lb			X

CERCLA
Any components listed below have been assigned a reportable quantity (RQ) by the Federal EPA. Release of the product into the environment that exceed the RQ for a particular component must be reported to the National Response Center at 1-800-424-8802.
COMPONENT: Sodium Hydroxide 1000 lbs

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ

Sodium hydroxide	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product contains substances regulated by state right-to-know regulations.

International Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

15. OTHER INFORMATION

Prepared By	Usa Lease Inc. 620 B Sunset Blvd. West Columbia,SC 29169	**Issuing date**	25-Nov 2013	**Revision Date**	25-Feb 2015

Revision Note 1.

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

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