

Avenger (Rev. 12-18-23)

SDS Number: W860F

Revision Date: 12/18/2023

Page 1 of 7

1

PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

Contact: Ligia M. Hernandez
Phone: 504-733-1152
Fax: 504-733-2218
Web: www.wechem.com

Product Identifier: Avenger (Rev. 12-18-23)
SDS Number: W860F
Product Code: W860
Revision Date: 12/18/2023
Product Use: High Alkaline Coil Cleaner

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

2

HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 5 Oral
Health, Skin corrosion/irritation, 1 B
Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H303 - May be harmful if swallowed
H314 - Causes severe skin burns and eye damage
H335 - May cause respiratory irritation

GHS Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 - Wash contaminated clothing before reuse.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P311 - Call a POISON CENTER or doctor/physician.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Ingestion, eye, skin absorption

Avenger (Rev. 12-18-23)

SDS Number: W860F

Revision Date: 12/18/2023

Page 2 of 7

Target Organs: NA
Inhalation: Generated mist may be irritating to respiratory tract.
Skin Contact: Corrosive. May cause irritation
Eye Contact: Causes irritation and burning
Ingestion: Corrosive. May cause gastrointestinal irritation, nausea, vomiting, diarrhea

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
1310-73-2	20-30%	Sodium hydroxide
1310-58-3	5-15%	Potassium hydroxide
*****		Surfactant Blend

Balance of ingredients are a trade secret as per OSHA 29CFR 1910.1200

4 FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention.
Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical advice/attention.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 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. never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

5 FIRE FIGHTING MEASURES

Flammability: ND
Flash Point: None to boiling
Flash Point Method: NA
Burning Rate: ND
Autoignition Temp: ND
LEL: ND
UEL: ND

Extinguishing media: Foam, dry chemical, carbon dioxide, water

Special Fire fighting procedures: Self-contained breathing apparatus and protective clothing.

Unusual Fire & Explosion Hazards: None

6 ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid any contact with the skin and eyes.

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Scoop up material and place in a disposal container. Provide ventilation.

7 HANDLING AND STORAGE

Handling Precautions: Corrosive liquid. Handle all containers carefully. Store in a cool, dry area away from heat, sparks, flames and other sources of ignition.

Avenger (Rev. 12-18-23)

SDS Number: W860F

Revision Date: 12/18/2023

Page 3 of 7

Storage Requirements: Corrosive liquid. Handle all containers carefully. Store in a cool, dry area away from heat, sparks, flames and other sources of ignition. Keep out of reach of children.

8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation Requirement: Local exhaust
Personal Protective Equipment: Respiratory Protection: None required under normal use conditions.
 Protective gloves: Rubber
 Eye protection: Safety glasses/ Goggles

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Sodium hydroxide cas#:(1310-73-2) [20-30%]

Components with workplace control parameters

CEIL 2 mg/m³ USA. ACGIH Threshold Limit Values (TLV)

C 2 mg/m³ USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

TWA 2 mg/m³ USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

C 2 mg/m³ USA. ACGIH Threshold Limit Values (TLV)

Eye, skin, & Upper Respiratory Tract irritation

C 2 mg/m³ USA. NIOSH Recommended Exposure Limits

Potassium hydroxide cas#:(1310-58-3) [5-15%]

Components with workplace control parameters

C 2 mg/m³ USA. ACGIH Threshold Limit Values (TLV)

Eye, skin, & Upper Respiratory Tract irritation

C 2 mg/m³ USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

C 2 mg/m³ USA. NIOSH Recommended Exposure Limits

9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue liquid

Physical State: Liquid

Odor:

Characteristic

Avenger (Rev. 12-18-23)

SDS Number: W860F

Revision Date: 12/18/2023

Page 4 of 7

Particle Size:	NA	Molecular Formula:	NA
Spec Grav./Density:	(H2O=1): 1.33 +/- 0.1	Solubility:	Complete
Viscosity:	NA	Softening Point:	NA
Saturated Vapor Concentration:	NA	Heat Value:	NA
Boiling Point:	Above 212 Deg. F.	Freezing/Melting Pt.:	NA
Vapor Pressure:	ND	Octanol:	NA
pH:	> 12.5	Vapor Density:	(Air=1): NA
Evap. Rate:	NA	Bulk Density:	NA
Molecular weight:	NA		

10

STABILITY AND REACTIVITY

Chemical Stability:	Stable and non-reactive under normal conditions of use, storage and transport.
Conditions to Avoid:	Contact with incompatible materials.
Materials to Avoid:	Strong acids, oxidizing agents
Hazardous Decomposition:	Carbon dioxide, carbon monoxide
Hazardous Polymerization:	Will not occur

11

TOXICOLOGICAL INFORMATION

Data for the components of this material is summarized as follows:

Sodium hydroxide cas#:(1310-73-2) [20-30%]

Information on toxicological effects

Acute toxicity: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: Causes severe burns. - 24 h

Serious eye damage/eye irritation: Eyes - rabbit Result: Corrosive - 24 h

Respiratory or skin sensitisation: Will not occur

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Avenger (Rev. 12-18-23)

SDS Number: W860F

Revision Date: 12/18/2023

Page 5 of 7

Aspiration hazard: no data available

Additional Information:

RTECS: WB4900000

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

Potassium hydroxide cas#:(1310-58-3) [5-15%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 333 mg/kg

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: Severe skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit Result: Corrosive to eyes (OECD Test Guideline 405)

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: TT2100000

surfactant blend (CAS # NA)
Oral LD50 16800 mg/kg (Rat)

Avenger (Rev. 12-18-23)

SDS Number: W860F

Revision Date: 12/18/2023

Page 6 of 7

May cause long-term adverse effects in the aquatic environment.

Data summary for the components is as follows:

Sodium hydroxide cas#:(1310-73-2) [20-30%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 125 mg/l - 96 h.

LC50 - Oncorhynchus mykiss (rainbow trout) - 45.4 mg/l - 96 h

Toxicity to daphnia and Immobilization EC50 - Daphnia - 40.38 mg/l - 48 h.

other aquatic invertebrates

Persistence and degradability: The methods for determining the biological degradability are not applicable to inorganic substances.

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

Potassium hydroxide cas#:(1310-58-3) [5-15%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 80 mg/l - 96 h.

Persistence and degradability: The methods for determining the biological degradability are not applicable to inorganic substances.

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

no data available

Surfactant Blend (CAS # NA)

Fish LC50 60.6 mg/l, 96 hrs, Fathead minnow (Pimephales promelas)

LC50 100-250 mg/l, 24 hrs, Fathead minnow (Pimephales promelas)

Avenger (Rev. 12-18-23)

SDS Number: W860F

Revision Date: 12/18/2023

Page 7 of 7

13

DISPOSAL CONSIDERATIONS

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

14

TRANSPORT INFORMATION

Proper Shipping Name: NA 1760, Compounds Cleaning Liquid, (Sodium Hydroxide, Potassium Hydroxide), 8, PG II

15

REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[20-30%] RQ(1000LBS), Sodium hydroxide (1310-73-2) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

[5-15%] RQ(1000LBS), Potassium hydroxide (1310-58-3) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

[----} Surfactant Blend (-----) TSCA

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

Regulatory Code Legend

RQ = Reportable Quantity

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

16

OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

N/A = Not available N/D = Not determined

Revision Date: 12/18/2023