Safety Data Sheet

Issue date: 3/4/2015

Section 1: Product and Company Information

Product Identifier: ACS Frye Clean & Boil Out

Product Code/SKU: 600610

Recommended Use: Industrial/Institutional Fryer Cleaner Restrictions on Use: Use only for purpose found on label.

Product Dilution Information

Manufacturer: American Chemical Systems II, LLC

3505 W. 29th Street South Wichita, KS USA 67217

(800)889-3489

americanchemicalsystems.com

Emergency Telephone: Chemtrec 1-800-424-9300 USA and Canada

Chemtrec 1-703-527-3887 Outside USA and Canada

Section 2: Hazard Identification

Product as Sold

GHS Classification: Corrosive to metals - category 1

Skin irritation/corrosion Eye irritation/eye damage

GHS Labeling Element

Signal Word: Symbol: Danger

Hazard Statement: Corrosive to metals

Causes skin and eye damage

Precautionary Statements:

Prevention: Wear protective clothing, gloves, and eye

and face protection.

Response:

Treatment:

If swallowed: Rinse mouth, do not induce vomiting. If on skin: Wash with water, remove contaminated

clothing.

Inhalation: Remove person to fresh air - administer

 $artificial\ respiration\ if\ not\ breathing.$

If in eye: Flush continuously with water - remove

contacts and continue flushing with water. Seek medical assistance if symptoms persist.

Storage: Keep product stored in original container, in

an upright position, with container tightly

closed.

Disposal: Dispose of contents/container according to

local/regional regulations.

Other Hazards: None known

Section 3: Composition/Information on Ingredients

Product as Sold

Substance/Mixture: Mixture

Chemical name Product Identifier %

Sodium HydroxideCAS 1310-73-220-40%Sodium CarbonateCAS 497-19-820-40%Sodium MetasilicateCAS 6834-92-05-10%Dichloroisocyanuric acid, sodium saltCAS 2893-78-91-5%

There are no additional ingredients present which, within the current knowledge of the manufacturer and in the concentrations applicable, are classified as hazardous to health or to the environment and hence require reporting in this section. Concentration percentages are given as a claim for a trade secret is being made.

Section 4: First Aid Measures

First Aid Measures: **Product as Sold**

General: Never give anything by mouth to an

unconscious person. If you feel unwell, then

seek medical assistance.

If swallowed: Rinse mouth, do not induce vomiting.

If on skin: Wash with water, remove contaminated

clothing.

Inhalation: Remove person to fresh air - administer

artificial respiration if not breathing.

If in eye: Flush continuously with water - remove contacts and continue flushing with water.

Seek medical assistance if symptoms persist.

Important Symptoms and Effects, both Acute and Delayed

Symptoms/Injuries: Causes severe skin burns and eye damage.

Effects of exposure may be delayed.

If swallowed: Ingestion is likely to be harmful and have

adverse health effects.

If on skin: Causes skin burns.

Inhalation: Symptoms may cause irritation to the

respiratory tract.

If in eye: Causes eye damage.

Recommendation: Seek medical assistance if symptoms persist

or concerns are present.

First Aid Providers All first aid providers should receive proper training before performing any first aid act

that would involve personal risk. Wash contaminated clothing with water thoroughly

before removal or wear gloves.

Section 5: Firefighting Measures

Suitable Fire Extinguishing

Treatment:

Media: No special media necessary. Use extinguishing media appropriate for surrounding fire. Special Hazards: Product is non flammable and is not explosive. Product is corrosive to metals as sold.

Advice for Firefighters: Exercise caution when fighting any chemical fire. Use a water spray to cool containers.

Do not enter fire area without proper protective equipment, including respiratory

protection.

Section 6: Accidental Release Measures

Personal Precautions: Initiate company's spill procedures. Do not walk through or touch spilled product. Do not

get on skin, in eyes, or on clothing. Put on appropriate personal protection equipment.

Environmental Precautions: Avoid runoff into public waterways, sewers, or onto soil.

Methods for Clean Up: Follow company's spill procedures. Put on appropriate protective clothing. Neutralize/

absorb spilled product with inert material. Dispose of inert material by placing in suitable container. Dispose of waste safely. Rinse with water for a final clean up.

Section 7: Handling and Storage

Precautions for Safe

Handling: Do not get on skin, in eyes, or on clothing. Do not breathe vapor or mist. Do not handle

until all safety procedures have been read and understood. Wash hands and other

exposed areas with soap and water after handling.

Conditions for Safe Storage: Keep product in original container, in an upright position, with container tightly closed.

Keep out of reach of children.

Section 8: Exposure Controls/Personal Protection

Control parameters:

Ingredient Name Exposure Limits

Sodium Hydroxide USA ACGIH Ceiling 2 mg/m^3 NIOSH REL 2 mg/m^3 OSHA PEL (TWA) 2 mg/m^3

Product as Sold

Engineering Controls: Use adequate ventilation. Keep vapor/fumes

below statutory limits. Provide availability to water to flush skin or eyes in case of

exposure.

Personal Protection:

Hand protection: Wear chemical resistant gloves

Eye protection: Use chemical splash goggles. For severe

exposure, wear face shield.

Skin protection: Wear suitable protective clothing.

Respiratory protection: Not necessary under normal operating and

intended use of this product.

General: Wash hands, face, and arms after handling chemical products and before eating, drinking,

or using restroom. Wash contaminated clothing before wearing again.

Section 9: Physical and Chemical Properties

Product as Sold

Physical state: Powder
Color: White
Odor: Chemical
pH: 12-14

Evaporation rate: No data available Melting point: No data available Freezing point: No data available **Boiling point:** No data available Flash point: No data available **Explosion limits:** No data available Flammability (solid/gas): No data available Vapor pressure: No data available Vapor density: No data available Relative density: >1 (water=1) Solubility: No data available Decomposition temperature: No data available

Section 10: Stability and Reactivity

Reactivity: Corrosive to metals.

Chemical stability: Stable.

Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extreme temperatures. Contact with metal. Incompatible Materials: Strong acids. Strong bases. Strong oxidizers. Metals.

Hazardous Decomposition Under normal conditions of storage and use, hazardous decomposition products should

Products: not occur.

Section 11: Toxicological Information

Routes of Exposure: Ingestion. Skin contact. Inhalation. Eye contact.

Product as Sold

Symptoms: Ingestion: Adverse effects: stomach pains

Skin Contact: Adverse effects: irritation, redness, blisters
Inhalation: Adverse effects: cough, respiratory irritation
Eye Contact: Adverse effects: redness, watering, irritation

Acute Toxicity: Ingestion: May cause burns to mouth, throat, stomach

Skin Contact: May cause skin burns

Inhalation: May cause respiratory irritation Eye Contact: May cause serious eye damage. **Toxicity Data:**

:	Sodium Hydroxide (1310-73-2)	LD50 dermal rabbit	1350 mg/kg
	Sodium Carbonate (497-19-8)	LD50 oral rat	4090/mg/kg
	Sodium Metasilicate (6834-92-0)	LD50 oral rat	600 mg/kg
	Dichloroisocyanuric acid, sodium salt (2893-78-9)	LD50 oral rat	735 mg/kg
	Dichloroisocyanuric acid, sodium salt (2893-78-9)	LD 50 dermal rat	>5000mg/kg
	Dichloroisocyanuric acid, sodium salt (2893-78-9)	LD dermal rabbit	>2000 mg/kg
	Dichloroisocyanuric acid, sodium salt (2893-78-9)	LC inhalation rat (mg/l)	>50 mg/l 1 hour

Carcinogenicity: No known effects or critical hazards Reproductivity: No known effects or critical hazards

Section 12: Ecological Information

Toxicity:

			LAPOSUIC	Species
Sodium Hydroxide (1310-73-2)	LC50 Fish 1	45.4 mg/l	96 h	Oncorhynhchus mykiss [static]
Sodium Carbonate (497-19-8)	LC50 Fish 1	300 mg/l	96h	Lepomis Macrochirus [static]
Sodium Carbonate (497-19-8)	EC 50 Daphina	265/mg/l	48 h	Daphnia magna
Sodium Carbonate (497-19-8)	EC 50 Other	242mg/l	120 h	Nitzschia
Sodium Carbonate (497-19-8)	LC50 Fish 2	310-1220 m	ng/l 96h	Pimpephales promelas [static]
Sodium Metasilicate (6834-92-0)	I C50 Fish 1	210 mg/l	96 h	Brachydanio rerio [semi-static]

Exposure

Species

Sodium Metasilicate (6834-92-0)	LC50 FISH I	210 mg/1	90 H	Brachydanio rerio [semi-static]
Sodium Metasilicate (6834-92-0)	EC50 Daphina	1216 mg/l	96 h	Daphnia magna
Sodium Metasilicate (6834-92-0)	LC50 Fish 2	210 mg/l	96 h	Brachydanio rerio
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Dichloroisocyanuric acid, sodium salt (2893-78-9)	LC50 Fish 1 .25-1 mg/l	96h	Lepomis Macrochirus [static]
Dichloroisocyanuric acid, sodium salt (2893-78-9)	EC 50 Daphina .00021mg/	48 h	Daphnia magna
Dichloroisocyanuric acid, sodium salt (2893-78-9)	LC50 Fish 2 .0389mg/l	96h	Lepomis Macrochirus [flow]
Dichloroisocyanuric acid, sodium salt (2893-78-9)	EC50 Daphina 1.16 mg/l	48 h	Daphnia magna

Persistence and degradability: Not established Bioaccumulative potential: Not established Mobility in Soil: Not established Other adverse effects: None noted

Section 13: Disposal Considerations

Product as Sold

 $Dispose \ of \ waste \ in \ accordance \ with \ local,$

regional, and national regulations

Section 14: Transport Information

In accordance with: ICAO/IATA/DOT/TDG

Product as Sold

DOT Classification: UN 1759

DOT Shipping name: Corrosive Solid Sodium Hydroxide

Class: 8 Packing Group: III

Bulk Transport: See shipping documents for specific transportation information

Marine Pollutant: No

Section 15: Regulatory Information

US Federal Regulations:

TSCA 8(b) Inventory All components are listed or exempted SARA 304 No chemicals subject to reporting

SARA 311/312 Acute health hazard

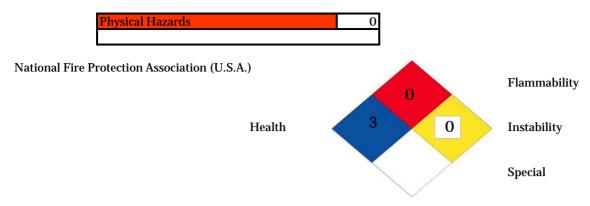
SARA 302 No chemicals subject to reporting SARA 313 No chemicals subject to reporting

Section 16: Other Information

Product as Sold

Hazardous Material Information System:

Health	3
Flammability	0



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