

**1. Identification**

<b>Product identifier</b>	<b>879 CHROME SLUDGE FILTER PRESS CAKE</b>
<b>Other means of identification SDS number</b>	KWAR-03
<b>Version #</b>	01
<b>Revision date</b>	Not Applicable
<b>Other means of identification Synonyms</b>	Chrome sludge * F019 * Waste water treatment sludges from the chemical conversion of aluminum - except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process
<b>Recommended use</b>	Waste product
<b>Recommended restrictions</b>	For industrial use only.
<b>Manufacturer/Importer/Supplier/Distributor information Manufacturer</b>	Kaiser Aluminum Warrick LLC 4400 W. State Route 66 Newburgh, IN 47629

**Emergency Information** CHEMTREC: +1-703-527-3887 +1-800-424-9300 (24 Hour Emergency Telephone, multiple languages spoken); Kaiser Warrick +1-877-335-9886 (24 Hour Emergency Telephone, only English spoken)

**Website** For a current Safety Data Sheet, refer to Kaiser website:  
<https://www.kaiseraluminum.com/customer-portal/safety-data-sheets/>

**2. Hazard(s) identification****Classification**

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

**Potential health effects**

The following statements summarize the health effects generally expected in cases of overexposures. User specific situations should be assessed by a qualified individual. Additional health information can be found in Section 11.

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
<b>Environmental hazards</b>	Not classified.	
<b>OSHA defined hazards</b>	Not classified.	

## Label elements



<b>Signal word</b>	Warning
<b>Hazard statement</b>	Causes serious eye irritation. Causes skin and eye irritation.
<b>Precautionary statement</b>	
<b>Prevention</b>	Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Storage</b>	Store in a closed container.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.
<b>Specific hazards</b>	Non-combustible. Dust and mist: Can cause irritation of the eyes, skin and upper respiratory tract.

## 3. Composition/information on ingredients

**Composition comments** Complete composition is provided below and may include some components classified as non-hazardous.

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Water		7732-18-5	40 - 73
Calcium phosphate		7758-87-4	17.3 - 38.6
Calcium sulfate		7778-18-9	3.4 - 7.8
Calcium fluoride		7789-75-5	3.3 - 7.4
Chromium (III) hydroxide		1308-14-1	1.8 - 4.1
Aluminum hydroxide		21645-51-2	1 - 2
Magnesium hydroxide		1309-42-8	0.1 - 0.3

**Additional Information** Additional compounds which may be formed (during decomposition) are listed in Section 8.

## 4. First-aid measures

<b>Eye contact</b>	Rinse eyes with plenty of water or saline for at least 15 minutes. Consult a physician.
<b>Skin contact</b>	Wash with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.
<b>Inhalation</b>	Remove to fresh air. Check for clear airway, breathing, and presence of pulse. If breathing is difficult, provide oxygen. Loosen any tight clothing on neck or chest. Provide cardiopulmonary resuscitation for persons without pulse or respirations. Consult a physician.
<b>Ingestion</b>	If swallowed, dilute by drinking water. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do NOT induce vomiting. Call 911 if available in your area.
<b>Most important symptoms/effects, acute and delayed</b>	Dust and mist: Can cause irritation of the eyes, skin and upper respiratory tract. See Section 11 of the SDS for additional information on health hazards.
<b>Medical conditions aggravated by exposure</b>	Asthma, chronic lung disease, and skin rashes.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use fire fighting methods and materials that are appropriate for surrounding fire.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	None known.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.
<b>General fire hazards</b>	Non-combustible.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not sensitive.
<b>Sensitivity to static discharge</b>	Not applicable.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Isolate area. Ensure adequate ventilation. Avoid contact with skin and eyes. Use personal protection recommended in Section 8 of the SDS.
<b>Personal precautions, protective equipment and emergency procedures</b> <b>For emergency responders</b>	Isolate area. Avoid contact with skin and eyes. Ensure adequate ventilation. Use personal protection recommended in Section 8 of the SDS.
<b>Evacuation procedures</b>	None necessary.
<b>Methods and materials for containment and cleaning up</b>	Clean up in accordance with all applicable regulations. Use personal protection recommended in Section 8 of the SDS. Avoid contact with skin and eyes. Do not allow to enter drains, sewers or watercourses. Shovel into suitable container for disposal. Absorb remainder with absorbent material. Clean surface thoroughly to remove residual contamination. Containerize for disposal.

## 7. Handling and storage

<b>Handling</b>	Ensure that eyewash stations and safety showers are close to the workstation location. Avoid contact with skin and eyes. Avoid generating dust or mist. Use with adequate ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray. Keep container closed when not in use. Use personal protection recommended in Section 8 of the SDS.
<b>Storage</b>	Store in accordance with local/regional/national/international regulation. Store in a closed container away from incompatible materials.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Calcium fluoride (CAS 7789-75-5)	PEL	2.5 mg/m3	
Calcium sulfate (CAS 7778-18-9)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

#### US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value	Form
Calcium fluoride (CAS 7789-75-5)	TWA	2.5 mg/m3	Dust.
<b>Decomposition</b>	<b>Type</b>	<b>Value</b>	
Hydrogen sulfide (CAS 7783-06-4)	Ceiling	20 ppm	

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Aluminum hydroxide (CAS 21645-51-2)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

Components	Type	Value	Form
		15 mppcf	Respirable fraction.

**US ACGIH Threshold Limit Values: Short Term Exposure Limit (STEL): mg/m3 & ppm**

Decomposition	Type	Value
Hydrogen sulfide (CAS 7783-06-4)	STEL	5 ppm

**US ACGIH Threshold Limit Values: Time Weighted Average (TWA): mg/m3 & ppm**

Decomposition	Type	Value
Hydrogen sulfide (CAS 7783-06-4)	TWA	1 ppm

**US ACGIH Threshold Limit Values: Time Weighted Average (TWA): mg/m3, non-standard units**

Components	Type	Value	Form
Aluminum hydroxide (CAS 21645-51-2)	TWA	1 mg/m3	Respirable fraction.
Calcium fluoride (CAS 7789-75-5)	TWA	2.5 mg/m3	
Calcium sulfate (CAS 7778-18-9)	TWA	10 mg/m3	Inhalable fraction.

Components	Type	Value	Form
Aluminum hydroxide (CAS 21645-51-2)	TWA	3 mg/m3	Respirable fraction
Calcium fluoride (CAS 7789-75-5)	TWA	10 mg/m3 0.5 mg/m3	Inhalable fraction (as F)

**Appropriate engineering controls** Use with adequate ventilation to meet the limits listed in Section 8.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Wear appropriate gloves to avoid any skin injury. The need for personal protective equipment (gloves) should be based upon a hazard assessment and recommendations from health / safety professionals. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**Other** Do not get this material in contact with skin. The need for personal protective equipment should be based upon a hazard assessment and recommendations from health / safety professionals. Wear chemical protective equipment that is specifically recommended by the manufacturer.

**Respiratory protection** Use NIOSH-approved respiratory protection as specified by an Industrial Hygienist or other qualified professional if concentrations exceed the limits listed in Section 8. Suggested respiratory protection: N95.

**Thermal hazards** Not applicable.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

**Control parameters** Follow standard monitoring procedures.

**Environmental exposure controls** Do not allow to enter drains, sewers or watercourses.

**9. Physical and chemical properties**

**Form** Solid, moist.

**Color** Blue green.

**Odor** Mild.

**Odor threshold** Not determined

**pH** < 6.5 (saturated solution)

<b>Density</b>	Not determined
<b>Melting point/freezing point</b>	Not determined / 2827.91 °F (1553.28 °C) estimated
<b>Initial boiling point and boiling range</b>	Not applicable
<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - upper (%)</b>	Not applicable
<b>Flammability limit - lower (%)</b>	Not applicable
<b>Explosive properties</b>	Not an explosion hazard.
<b>Vapor pressure</b>	Not applicable
<b>Vapor density</b>	Not applicable
<b>Relative density</b>	1.3 - 1.5 g/cm3
<b>Solubility(ies)</b>	Not determined
<b>Partition coefficient (n-octanol/water)</b>	Not determined
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	Not applicable
<b>Viscosity</b>	Not available.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Stable under normal conditions of use, storage, and transportation.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Health effects associated with ingredients

Phosphates: Skin contact (prolonged or repeated): Can cause irritation or dermatitis. Acute overexposures: Can cause lung damage.

Calcium sulfate: Can cause irritation of eyes, skin and upper respiratory tract. Generally considered to be biologically inert.

Fluorides: Can cause irritation of eyes, mucous membranes, skin and respiratory tract. Chronic overexposures: Associated with asthma. Can cause fluoride deposition in bones and cartilage (fluorosis) as evidenced by x-ray changes and can be accompanied by stiffness of the joints. May cause harm to breastfed babies.

Chromium (III) compounds: Can cause irritation of eye, skin and respiratory tract. IARC/NTP: Not classifiable as to their carcinogenicity to humans by IARC.

Aluminum hydroxide: Low health risk by inhalation. Generally considered to be biologically inert.

Magnesium hydroxide: Can cause irritation of eyes, skin, respiratory tract and gastrointestinal tract. Ingestion of large amounts: Can cause nausea, vomiting, diarrhea, kidney damage, central nervous system depression, respiratory paralysis and cardiac arrest.

## Health effects associated with compounds formed during processing

Hydrogen sulfide is not an intentional component but can be generated through bacterial action under anaerobic (lack of oxygen) conditions.

Hydrogen sulfide gas: Can cause irritation of eyes and respiratory tract. Acute overexposures: Can cause sore throat, shortness of breath (dyspnea), headache, confusion, loss of coordination and loss of sense of smell (anosmia). Acute overexposures (high concentrations - >400 ppm): Can cause impaired motor function, loss of consciousness, the accumulation of fluid in the lungs (pulmonary edema) and death.

## Information on likely routes of exposure

<b>Eye contact</b>	Dust and mist from processing: Can cause irritation.
<b>Skin contact</b>	Prolonged or repeated skin contact may cause irritation.
<b>Inhalation</b>	Dust and mists: Can cause irritation of the upper respiratory tract. Chronic overexposures: Associated with asthma.
<b>Ingestion</b>	Can cause irritation.

**Symptoms related to the physical, chemical and toxicological characteristics** Prolonged skin contact may cause skin irritation and/or dermatitis. Dust and mist: Can cause irritation of the eyes, skin and upper respiratory tract.

## Information on toxicological effects

Components	Species	Test Results
Calcium fluoride (CAS 7789-75-5)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	4250 mg/kg
Calcium sulfate (CAS 7778-18-9)		
Magnesium hydroxide (CAS 1309-42-8)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	8500 mg/kg
<b>Acute toxicity</b>	Not classified. Based on available data, the classification criteria are not met.	
<b>Skin corrosion/irritation</b>	Non-corrosive. Causes skin irritation.	
<b>Serious eye damage/eye irritation</b>	Causes eye irritation.	
<b>Respiratory or skin sensitization</b>	Not classified. Based on available data, the classification criteria are not met.	
<b>Respiratory sensitization</b>	Not classified. Based on available data, the classification criteria are not met.	
<b>Skin sensitization</b>	Not classified.	
<b>Germ cell mutagenicity</b>	Not classified. Based on available data, the classification criteria are not met.	
<b>Pre-existing conditions aggravated by exposure</b>	Asthma, chronic lung disease, and skin rashes.	
<b>Carcinogenicity</b>	Not classified. Based on available data, the classification criteria are not met.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Calcium fluoride (CAS 7789-75-5)	3 Not classifiable as to carcinogenicity to humans.	
Chromium (III) hydroxide (CAS 1308-14-1)	3 Not classifiable as to carcinogenicity to humans.	
<b>US OSHA Hazard Categories (10)</b>		
Not regulated.		
<b>US OSHA Hazard Categories (9)</b>		
Not regulated.		
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>		
Not listed.		
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>		
Not regulated.		
<b>Reproductive toxicity</b>	Not classified. Based on available data, the classification criteria are not met. May cause harm to breastfed babies.	
<b>Routes of exposure</b>	Inhalation. Eye contact. Ingestion. Skin contact.	

<b>Specific target organ toxicity - single exposure</b>	May cause irritation to the respiratory system. Not classified. Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified. Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Not classified. Based on available data, the classification criteria are not met.

## 12. Ecological information

### Ecotoxicity

Components	Species	Test Results
Calcium sulfate (CAS 7778-18-9)		
<b>Aquatic</b>		
Crustacea	LC50	Water flea (Ceriodaphnia dubia) > 1910 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) > 1970 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	None known.

## 13. Disposal considerations

<b>Disposal instructions</b>	Reuse or recycle material whenever possible. If reuse or recycling is not possible, disposal must be made according to local or governmental regulations.
<b>Waste codes</b>	RCRA Status: Wastewater treatment sludge (e.g., filter cake) from the chemical conversion coating of aluminum, hazardous waste code F019 that is generated at the Warrick Operations, Newburgh, Indiana is excluded from regulation as a waste as long as it is managed according to the delisting requirements outlined in 329 IAC 3.1-6-8.  RCRA waste codes other than described here may apply depending on use of the product. Status must be determined at the point of waste generation. Refer to 40 CFR 261 or state equivalent in the U.S.
<b>Waste from residues / unused products</b>	If reuse or recycling is not possible, disposal must be made according to local or governmental regulations.
<b>Contaminated packaging</b>	Dispose of in accordance with local regulations.

## 14. Transport information

<b>DOT</b>	
<b>Basic Shipping Information</b>	
<b>ID number</b>	-
<b>Proper shipping name</b>	Not regulated
<b>Hazard class</b>	-
<b>Packing group</b>	-
<b>DOT Specific Notes</b>	<ul style="list-style-type: none"> <li>• Not regulated when meeting delisting requirements outlined in 329 IAC 3.1-6-8.</li> <li>• When "Not regulated", enter the proper freight classification, SDS Number and Product Name onto the shipping paperwork.</li> </ul>

### IATA

<b>Environmental hazards:</b>	
<b>Special precautions</b>	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Allowed.	

### IMDG

<b>Environmental hazards:</b>	
<b>Special precautions</b>	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

### Disclaimer

This section provides basic classification information and, where relevant, information with respect to specific modal regulations, environmental hazards and special precautions. Otherwise, it is presumed that the information is not available/not relevant

## 15. Regulatory information

**US federal regulations** In reference to Title VI of the Clean Air Act of 1990, this material does not contain nor was it manufactured using ozone-depleting chemicals.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**US OSHA Hazard Categories (9)**

Not regulated.

**US OSHA Hazard Categories (10)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Section 311/312 hazard categories** Immediate Hazard - No  
Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**SARA 313 (TRI reporting)**

<b>Chemical name</b>	<b>CAS number</b>	<b>% by wt.</b>
Chromium (III) hydroxide	1308-14-1	1.8 - 4.1

**US state regulations**

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**SDS Status:** Origination date: April 1, 2021

**Disclaimer:** The information in the sheet was written based on the best knowledge and experience currently available.

### Other information

- Guide to Occupational Exposure Values 2012, Compiled by the American Conference of Governmental Industrial Hygienists (ACGIH).
- NIOSH Pocket Guide to Chemical Hazards, U.S. Department of Health and Human Services, September 2005.
- expub, Expert Publishing, LLC., [www.expub.com](http://www.expub.com),
- Ariel, 3E Company, [www.3Ecompany.com](http://www.3Ecompany.com)

### Key/Legend:

ACGIH	American Conference of Governmental Industrial Hygienists
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstract Services
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CPR	Cardio-pulmonary Resuscitation
DOT	Department of Transportation
DSL	Domestic Substances List (Canada)
EC	Effective Concentration
ED	Effective Dose
EINECS	European Inventory of Existing Commercial Chemical Substances
ENCS	Japan - Existing and New Chemical Substances
EWC	European Waste Catalogue
EPA	Environmental Protective Agency
IARC	International Agency for Research on Cancer
LC	Lethal Concentration
LD	Lethal Dose
MAK	Maximum Workplace Concentration (Germany) "maximale Arbeitsplatz-Konzentration"
NDSL	Non-Domestic Substances List (Canada)
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration
PIN	Product Identification Number
PMCC	Pensky Marten Closed Cup
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
SIMDUT	Système d'Information sur les Matières Dangereuses Utilisées au Travail
STEL	Short Term Exposure Limit
TCLP	Toxic Chemicals Leachate Program
TDG	Transportation of Dangerous Goods
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act TWA Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System
m	meter,
cm	centimeter,
mm	millimeter,
in	inch,
g	gram,
kg	kilogram,
lb	pound,
µg	microgram,
ppm	parts per million,
ft	feet

\*\*\* End of SDS \*\*\*

## Hazard statement

Causes serious eye irritation. Causes skin and eye irritation.

## Precautionary statement

### Prevention

Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

### Response

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

### Storage

Store in a closed container.

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.



**Warning**

## Supplemental information

Dust and mists from processing: Direct contact: Can cause irritation of the eyes and skin. May cause irritation of respiratory tract. Chronic overexposures: Associated with asthma.

### FIRE FIGHTING MEASURES:

Non-combustible. Use fire fighting methods and materials that are appropriate for surrounding fire.

### IN CASE OF SPILL:

Avoid contact with skin and eyes. Wear appropriate personal protective equipment. Absorb with absorbent material. Collect in containers and seal securely.

Chemtrec: +1-703-527-3887 +1-800-424-9300 (24 Hour Emergency Telephone, multiple languages spoken)

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