



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name CLASSIC STAGE 3
Product use Sanitizer.
Product code P250
Date of issue 06/30/17 **Supersedes** 07/28/14

Emergency Telephone Numbers

For MSDS Information:

Technical Services Group
Telephone (780) 453-8100
(Business Hours 8:00am - 5:00pm)

For Medical or Transportation Emergency

CANUTEC (24 Hours)
(613) 996-6666 - Call Collect

Prepared By

Technical Services Group
11627 178th Street
Edmonton, Alberta T5S 1N6

Section 2. Hazards Identification

Emergency overview

CAUTION

CAUSES EYE AND SKIN BURNS. VAPOR HARMFUL. HARMFUL IF SWALLOWED.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects **Routes of Entry** Dermal contact. Eye contact. Inhalation.

Eyes Causes eye burns. Eye exposure may cause severe and permanent eye injury (blindness).

Skin Causes skin burns. May be fatal if absorbed through the skin. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

Inhalation Do not breathe vapor or spray. May be fatal if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Ingestion Harmful if swallowed. May cause burns to mouth, throat and stomach.

Chronic effects Contains material which may cause damage to the following organs: digestive system, upper respiratory tract, skin, eyes.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS number</u>	<u>% by Weight</u>
HYDROGEN PEROXIDE; peroxide	7722-84-1	10 - 30
ACETIC ACID; ethanoic acid, vinegar acid, Methanecarboxylic acid	64-19-7	5 - 10
PEROXYACETIC ACID; peracetic acid; acetyl hydroperoxide	79-21-0	5 - 10

Section 4. First Aid Measures

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

Skin Contact Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

Inhalation Move exposed person to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

Ingestion Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point	Closed cup: >93°C (200°F)
Flammable Limits	Not available.
Flammability	Not available.
Auto-ignition Temperature	
Fire-Fighting Procedures	Use flooding quantities of water. Fire-fighters should wear appropriate protective equipment.
Fire hazard	Substance releases oxygen when heated, which may increase the severity of an existing fire. In a fire or if heated, a pressure increase will occur and the container may burst.
Products of Combustion	carbon oxides (CO, CO ₂) Acetic acid. Substance releases oxygen when heated, which may increase the severity of an existing fire.

Explosion hazard**Section 6. Accidental Release Measures**

Spill Clean up	Put on appropriate personal protective equipment (see Section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see Section 8). Avoid contact with eyes, skin and clothing. Do not breathe vapor or mist. Do not ingest. Do not use with other products. Apply this product only as specified on the label. Wash thoroughly after handling. Do not reuse container.
Storage	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

Hydrogen Peroxide

Exposure limits

ACGIH TLV (United States).

TWA: 1 ppm 8 hour(s).

OSHA PEL (United States).

TWA: 1 ppm 8 hour(s).

Acetic Acid

OSHA / ACGIH (United States).

TWA: 10 ppm 8 hour(s).

ACGIH TLV (United States).

STEL: 15 ppm 15 minute(s).

Personal Protective Equipment (PPE)

Eyes	Splash goggles.
Hands and Body	Wear appropriate protective clothing to prevent skin contact. Recommended: Rubber gloves. Vinyl gloves. Synthetic apron. Chemical resistant boots.
Respiratory	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

**Section 9. Physical and Chemical Properties**

Physical State	Liquid.	Color	Clear. Colorless.
pH	<1	Odor	Pungent.
Boiling Point	Not available.	Vapor Pressure	2.9 kPa (22 mm Hg)
Specific Gravity	1.14	Vapor Density	Not determined.
Solubility	Easily soluble in the following materials: cold water and hot water.	Evaporation Rate	Not determined.
Freezing Point		VOC (Consumer)	0 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Keep away from heat and direct sunlight. Slightly reactive or incompatible with the following materials: oxidizing materials, organic materials and alkalis.
Hazardous Polymerization	Under normal conditions of storage and use, hazardous polymerization will not occur.
Hazardous Decomposition Products	Exposure to sunlight accelerates decomposition. Substance releases oxygen when heated, which may increase the severity of an existing fire.

Section 11. Toxicological Information

Carcinogenicity Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Hydrogen Peroxide	LD50 Oral	Rat	1232 mg/kg	-
Acetic Acid	LD50 Dermal	Rabbit	1100 mg/kg	-
	LD50 Oral	Rat	3200 mg/kg	-
	LC50 Inhalation Vapor	Rat	>16000 ppm	4 hours

Section 12. Ecological Information

Environmental Effects Toxic to aquatic organisms. The substance is toxic to Birds.

Aquatic Ecotoxicity


Product/ingredient name	Test	Result	Species	Exposure
Hydrogen Peroxide	-	Acute LC50 16.4 mg/L	Fish	96 hours

Section 13. Disposal Considerations**Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: D002
 Classification: - [Hazardous waste]
 Origin: - [RCRA waste.]

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
TDG Classification	3109	ORGANIC PEROXIDE TYPE F, LIQUID (PEROXYACETIC ACID)	5.2	II		<u>Explosive Limit and Limited Quantity Index</u> 0.125
IMDG Class	Not determined.					

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG* : Packing group

Section 15. Regulatory Information**Canada**

WHMIS (Canada) Class C: Oxidizing material.
 Class E: Corrosive material

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

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ESPORTA CLASSIC STAGE 3 5 GL

Material number : P25035

Manufacturer or supplier's details

Company : Zep Inc.

Address : 1310 Seaboard Industrial Blvd., NW
Atlanta, GA 30318

Telephone : 404-352-1680

Emergency telephone numbers**For SDS Information** : Compliance Services 1-877-428-9937**For a Medical Emergency** : 877-541-2016 Toll Free - All Calls Recorded**For a Transportation
Emergency** : CHEMTREC: 800-424-9300 - All Calls Recorded.
In the District of Columbia 202-483-7616

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	liquid
Colour	colourless, clear
Odour	pungent

GHS ClassificationOxidizing liquids : Category 1
Acute toxicity (Oral) : Category 4
Skin corrosion : Category 1A
Serious eye damage : Category 1**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H272 May intensify fire; oxidizer.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H290 May be corrosive to metals.Precautionary statements : **Prevention:**
P210 Keep away from heat.
P220 Keep/Store away from clothing/ combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye

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protection/ face protection.

P234 Keep only in original container.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P306 + P360 IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P371 + P380 + P375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

P390 Absorb spillage to prevent material damage.

Storage:

P405 Store locked up.

P406 Store in corrosive resistant aluminium container with a resistant inner liner.

Disposal:

Dispose of contents/container in accordance with local regulation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration [%]
hydrogen peroxide	7722-84-1	>= 20 - < 30
peracetic acid (Concentration >60% Acetic acid)	79-21-0	>= 5 - < 10
acetic acid	64-19-7	>= 5 - < 10

The exact percentages of disclosed substances are withheld as trade secrets.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If unconscious place in recovery position and seek medical advice.
Consult a physician after significant exposure.

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- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.
If skin irritation persists, call a physician.
If on clothes, remove clothes.
- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Take victim immediately to hospital.
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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
Water spray jet
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon dioxide (CO₂)
Carbon monoxide
Smoke
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Evacuate personnel to safe areas.
Ensure adequate ventilation.
Remove all sources of ignition.
- Environmental precautions : Prevent product from entering drains.
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Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Sweep up or vacuum up spillage and collect in suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid contact with skin and eyes.
Do not breathe vapours or spray mist.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Prevent unauthorized access.
Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : Store and keep away from bases and alkalies.
Oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
hydrogen peroxide	7722-84-1	TWA	1 ppm	ACGIH
		TWA	1 ppm 1.4 mg/m ³	NIOSH REL
		TWA	1 ppm 1.4 mg/m ³	OSHA Z-1
acetic acid	64-19-7	TWA	1 ppm 1.4 mg/m ³	OSHA P0
		TWA	10 ppm	ACGIH
		STEL	15 ppm	ACGIH
		ST	15 ppm 37 mg/m ³	NIOSH REL
		TWA	10 ppm 25 mg/m ³	NIOSH REL
		TWA	10 ppm 25 mg/m ³	OSHA Z-1

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		TWA	10 ppm 25 mg/m ³	OSHA P0
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Personal protective equipment

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
- Hand protection
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Ensure that eyewash stations and safety showers are close to the workstation location.
Safety goggles
- Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : colourless, clear
- Odour : pungent
- Odour Threshold : No data available
- pH : < 1
- Melting point/freezing point : No data available
- Boiling point : No data available
- Flash point : > 93.3 °C
Method: closed cup
- Evaporation rate : not determined
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : 29 hPa
- Relative vapour density : No data available
- Density : 1.14 g/cm³
- Solubility(ies)
- Water solubility : soluble
- Solubility in other solvents : not determined

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Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: not determined
Thermal decomposition	: No data available
Viscosity	
Viscosity, kinematic	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed.
Conditions to avoid	: Heat, flames and sparks. Extremes of temperature and direct sunlight.
Incompatible materials	: Metals Bases Reducing agents Combustible material
Hazardous decomposition products	: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Oxygen

SECTION 11. TOXICOLOGICAL INFORMATION
Potential Health Effects
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	Confirmed animal carcinogen with unknown relevance to humans
OSHA	hydrogen peroxide 7722-84-1 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.
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.

Acute toxicity

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Product:

Acute oral toxicity : Acute toxicity estimate : 852.76 mg/kg
Method: Calculation method

Components:

acetic acid:
Acute oral toxicity : LD50 Oral Rat: 3,310 mg/kg

Skin corrosion/irritation

Product:

Remarks: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation

Product:

Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

hydrogen peroxide:
peracetic acid (Concentration >60% Acetic acid):
acetic acid:

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product:

Remarks: No data available

Remarks: No data available

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SECTION 12. ECOLOGICAL INFORMATION
Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential
Product:

Partition coefficient: n-octanol/water : Remarks: No data available

Components:
acetic acid :

Partition coefficient: n-octanol/water : log Pow: -0.17

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

No data available

SECTION 13. DISPOSAL CONSIDERATIONS
Disposal methods

Waste from residues : Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents. Dispose of as unused product.

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SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA):
UN3109, Organic peroxide type F, liquid, (PERACETIC ACID), 5.2, (8),

Transportation Regulation: IMDG (Vessel):
UN3109, ORGANIC PEROXIDE TYPE F, LIQUID (PEROXYACETIC ACID, TYPE F), (PERACETIC ACID), 5.2, (8),

Transportation Regulation: IATA (Cargo Air):
UN3109, Organic peroxide type F, liquid (Peroxyacetic acid, type F), (PERACETIC ACID), 5.2, (HEAT,8),

Transportation Regulation: IATA (Passenger Air):
UN3109, Organic peroxide type F, liquid (Peroxyacetic acid, type F), (PERACETIC ACID), 5.2, (HEAT,8),

Transportation Regulation: TDG (Canada):
UN3109, ORGANIC PEROXIDE TYPE F, LIQUID (PEROXYACETIC ACID, TYPE F), (PERACETIC ACID), 5.2, (8), II

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

SECTION 15. REGULATORY INFORMATION
EPCRA - Emergency Planning and Community Right-to-Know Act
CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
acetic acid	64-19-7	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
peracetic acid (Concentration >60% Acetic acid)	79-21-0	500	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:

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peracetic acid 79-21-0 7.5 %
(Concentration >60% Acetic acid)

SARA 313

: The following components are subject to reporting levels established by SARA Title III, Section 313:

peracetic acid 79-21-0 7.5 %
(Concentration >60% Acetic acid)

California Prop 65

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

The components of this product are reported in the following inventories:**TSCA**

On TSCA Inventory

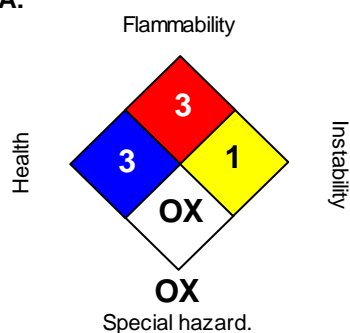
DSL

All components of this product are on the Canadian DSL

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

Inventory Acronym and Validity Area Legend:

TSCA (USA), DSL (Canada)

SECTION 16. OTHER INFORMATION**Further information****NFPA:****HMIS III:**

HEALTH	3
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

OSHA - GHS Label Information:

Hazard pictograms



Signal word

: **Danger:**

Hazard statements

: May intensify fire; oxidizer. Harmful if sw allowed. Causes severe skin burns and eye damage. May be corrosive to metals.

Precautionary statements

:

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Prevention: Keep away from heat. Keep/Store away from clothing/ combustible materials. Take any precaution to avoid mixing with combustibles. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/ protective clothing/ eye protection/ face protection. Keep only in original container.

Response: IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Wash contaminated clothing before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Absorb spillage to prevent material damage.

Storage: Store locked up. Store in corrosive resistant aluminium container with a resistant inner liner.

Disposal: Dispose of contents/container in accordance with local regulation.

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We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.

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