

SAFETY DATA SHEET

Section 1 – Chemical Product and Company Identification:

Product Identifier: CLEAR UP

Product Use: Dairy line cleaner, degreaser

Manufacturer's Name: Matrix Environmental Solutions

Address: 6 Nicolas Avenue

City: Winnipeg Province: Manitoba Postal Code: R2J 0T5

Phone Number: 204-231-8333 Emergency Number:

Prepared By: John Patterson 613-996-6666

Revised by: D.Dickson Revised: October 2019

Section 2 – Composition/Information on ingredients

Hazardous Ingredients	%	CAS Number	LD₅₀ of Ingredient (Specify species & route) (Oral Rat)
Phosphoric Acid	10-30	7664-38-2	1530 mg/kg
Sulphuric Acid	10-30	7664-93-9	2140 mg/kg

Actual Concentrations withheld as trade secret.

Section 3 – Hazards Identification:

Route of Entry: Skin Contact; Skin Absorption; Eye Contact; Ingestion

Emergency Overview – Corrosive, Toxic

WHMS Symbol – Burning hand, Big T

Potential Health Effects – Dehydration of biological tissue

Section 4 – First Aid Measures:

Skin contact – Wash skin with warm water till irritation eases. If irritation persists seek medical help

Eye Contact – Use eyewash station/kit for 10 minutes, or until irritation eases, if it does not seek medical attention

Inhalation – Remove to clear air, if coughing persists seek medical help

Ingestion – Do not induce vomiting, get medical attention at once

Section 5 – Fire Fighting Measures:

Flammable – No

Means of Extinction: As determined by surrounds, be aware of acidic steam eruptions

Flashpoint (*C) and Method: Closed cup, boils before flash

Upper Flammable Limit (% by Volume): N/A

Lower Flammable Limit % by Volume: N/A

Autoignition Temperature (*C): Boils before Flash

Explosion Data sensitivity to impact: Nil

Explosion Data sensitivity to static discharge: Nil

Hazardous Combustion Products: If heated to decomposition, oxides of sulphur and phosphate

NFPA: Health: 2; flammability: 0; Instability: 1, Special

Section 6 – Accidental Release Measure:

Leak and Spill Procedures:

Stop leak, control spread of product using absorbent material or soda ash. Once a perimeter is established, return as much possible clean product back into the original container. The material will be neutralized and solidified with the application of soda ash. Once neutralized - shovel up solidified material into a solid waste drum for government approved disposal. Wash effected area with potable water.

Section 7 – Handling and Storage:

Handling Procedures and Equipment:

Use good industrial practice during decanting or transfer or product. Use protective clothing and footwear.

Storage Requirements:

Cool area away from direct sunlight, insulated from cold (10° or cooler) floors, good ventilation

Section 8 – Exposure Control/Personal Protection:

Other (Specify) LD₅₀ 4,975 mg/kg (Oral Rat)

Specific Engineering Controls (such as ventilation, enclosed process)

Good ventilation, eyewash station/kit present

Fire extinguisher

Personal Protective Equipment: Gloves, eye, footwear and clothing

Specify: Waterproof apron, gloves and footwear. Splash guards to protect eyes

Section 9 – Physical and Chemical Properties:

Physical State: Liquid

Odour & Appearance: Acidic tang, Red

Odour Threshold (ppm): 50

Specific Gravity: 1.20 to 1.24

Vapour Density: N.E.

Vapor Pressure (mmHg): N.E.

Evaporation Rate: Slower than Water

Boiling Point (*C): Above 100°

Freezing Point (*C): Below 0

pH: Acidic

Coefficient of Water/Oil Distribution: N.E.

Solubility in Water: Complete

Section 10 – Stability and Reactivity:

Chemical Stability: Yes

Incompatibility with Other Substances: Yes

If yes which ones: Nitric Acid, nitrogen containing compounds. Alkaline base materials, peroxides.

Reactivity, and under what conditions: Yes – the reactants must be physically mixed.

Hazardous Decomposition Products: None noted

Section 11 - Toxicological Information:

Effects of Acute Exposure: Skin will dry out, eyes will be reddened. If aerosol is inhaled, coughing will occur. Ingestion must be treated at a hospital.

Effects of Chronic Exposure: Skin will be cracked and bleeding, eyes will be teary and red.

Irritancy of Product: Medium with liquid contact

Skin Sensation: Low

Respiratory sensitization: No

Carcinogenicity – LARC : No

Carcinogenicity – Low levels due to cell disruption

Reproductive Toxicity: No

Teratogenicity: No

Embrotoccity: No

Mutagenicity: Maybe (some disputed evidence)

Name of Synergistic Products/Effects: None noted

Section 12 – Ecological Information:

Aquatic Toxicity: Does not bioaccumulate. Natural alkalinity of ground water will neutralize a spill of this product. A spill on dry land will be neutralized by soil alkalinity.

Section 13 – Disposal Considerations:

Waste Disposal: Obey all pertinent government regulations.

Section 14 – Transport Information:

Special Shipping Information: None

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (phosphoric acid)

TDG: UN3264 Class 8 Pkg II

Section 15 – Regulatory Information:

WHMIS Classification: E

Section 16 – Other Information:

Label risk phrases.

Corrosive materials

Do not ingest

Eye, skin irritant

Label precautionary statements

Keep container tightly closed

Wear Waterproof gloves and footwear

Do not allow to freeze

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