MSDS Document

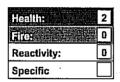
Product CAVALCADE

1. Chemical Product and Company Identification

Trade Name of this Product CAVALCADE MSDS ID DL 1240

Manufacturer

Drummond American 600 Corporate Woods Parkway Vernon Hills, IL 60061 Contact Name
Corporate Compliance Team
Phone Number
(847) 913-9313
Emergency Phone
(888) 426-4851
Revision Date 02/01/1998



2. Composition and Information on Ingredients

Ingredient PHOSPHORIC ACID	CAS Number 7664-38-2	Weight % 10-30 %	ACGIH TLV	PEL ND	STEL ND
CITRIC ACID	77-92-9	1-10 %		NE	NE
DODECYLBENZENESU	1886-81-3	1-10 %		NE	NE

3. Hazard Identification

Target Organs Effected None.

EFFECTS OF OVEREXPOSURE

Can cause severe skin burns and will burn eyes and respiratory tract. Ingestion can cause internal burns and be fatal.

MEDICAL CONDITIONS PRONE TO OVEREXPOSURE

Liquid causes severe skin & eye burns - wash thoroughly after handl- ing. Severe burns to skin, defatting, dermatitis - corrosive!

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Target Organs Effected EYES & SKIN.

Route Of Entry Ingestion Inhalation Eyes Skin

4. First Aid Information

EMERGENCY AND FIRST AID PROCEDURES

Remove victim and restore breathing if required. Remove from skin with soap and water. Flush eyes with copious quantities of water, call physician.

5. Fire Fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS

Reacts with most metals producing hydrogen which is extremely flammable & may explode.

Extinguishing Media Dry Chemical

FLAMMABILITY CLASSIFICATION OSHA CLASS NA DOT Class NA1760

6. Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Neutralize with soda ash & dilute with plenty of water. If laws permit flush to sewer. Stop spill at source. Dike area & contain. Pump liquid to salvage tank. Remainder may be taken up on absorbent material & shoveled into containers.

7. Handling and Storage

OTHER PRECAUTIONS

Do not store above 120 degrees fahrenheit.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Wash hands thoroughly after handling.

Hygienic Practices

Wash hands before eating or using the washroom. Smoke in SMOKING AREAS ONLY.

8. Exposure Controls and Personal Protection

Protective Gloves

Plastic or rubber gloves are recommended.

VENTILATION

Local Exhaust: Necessary Mechanical (General): Necessary

Respiratory Protection

Not Applicable.

Other Protective Equipment

As needed to minimize skin contact.

Eye Protection

Safety glasses or goggles are recommended.

9. Physical and Chemical Properties

Density Ibs/Gal.

Boiling/Cond. Point 212

Evaporation Rate SLOWER THAN ETHER Percent Volatile 50.0 Vapor Density LIGHTER THAN AIR

OPTIONAL INFORMATION:

L'Appearance/Odor: clear, blue-green liquid with a mild odor." Specific Gravity: 1.066 Vapor Pressure (mm.Hg): 17.5 (@20C) (Evaporation Rate (Ether=1): longer. Soluble in water: complete.

10. Stability and Reactivity

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, Carbon dioxide, Phosphorus pentoxide from heating.

INCOMPATIBILITY (MATERIALS TO AVOID)

Isolate from alkalis, amines and non-resistant metals.

CONDITIONS TO AVOID

Stable but reacts with most metals producing hydrogen which is extremely flammable & may explode.

Stability

Stable

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Hazardous Polymerization

Will not occur

11. Toxicological Information

CARCINOGENICITY

None of the components in this chemical are listed by IARC, NTP or OSHA as a carcinogen.

12. Ecological Information

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13. Disposal Considerations

WASTE DISPOSAL METHOD

SMALL: Evaporate until all vapors are gone. Dispose or remainder by legally applicable methods. LARGE: Recycle or neutralize with soda ash & dilute with plenty of water. If laws permit, flush to sewer obser- ving local, state & federal health, safety & pollution laws.

14. Transportation Information

D.O.T. EMERGENCY RESPONSE INFORMATION

CORROSIVE LIQUID, N.O.S., [PHOSPHORIC ACID & DODECYLBENZENESULFONIC ACID]

U.N. CLASSIFICATION PER DOT COR PER IMCO NA

15. Regulatory Information

16. Other Information