



Safety Data Sheet

Conforms to OSHA CFR 29 1910.1200 and aligns to the United Nations Globally Harmonized System

Section 1 - Chemical Product and Company Identification

Product Name: Flash Dry

Distributor: AP Formulators 1015 Georgia St., South Houston, TX 77587 (888) 783-7627

Product Use

Cleaning Compound

Emergency Telephone: CHEMTREC 1-800-424-9300

Section 2 - Hazards Identification

GHS HAZARD

Classification of the substance or mixture: Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements: Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS: None

Section 3 - Composition / Information on Ingredients

Chemical Names	CAS #.	Concentration%	Other Identifiers
Tetramethylammonium chloride	75-57-0	40%-60%	Quaternary Ammonium Compound
Water	7732-18-5	10%-20%	H2O
Distillates (petroleum), hydrotreated middle	64742-46-7	20-40%	Mineral Seal Oil

Section 4 - First Aid Measures

Eye: Contact with the eyes can cause temporary irritation.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Contact with the skin can cause temporary irritation.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: Swallowing large amount may cause digestive discomfort.

Ingestion: Do NOT induce vomiting. Get medical aid immediately.

Inhalation: Short exposures of less than 8 hours should not cause injury.

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Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

After first aid, get appropriate paramedic, or community medical support.

Section 5 - Fire-Fighting Measures

Flammable Properties: Not flammable

Suitable Extinguishing Media: Carbon dioxide, dry chemical powder or appropriate foam. Use water to keep non-leaking, fire-exposed containers cool.

Precautions for Firefighters: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Substance is noncombustible. Contact with metals may evolve flammable hydrogen gas.

Section 6 - Accidental Release Measures

Personal Precautions: Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Increase ventilation to area or move container to a well-ventilated and secure area. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Before entry, especially into confined areas, check atmosphere with an appropriate monitor.

Methods for Containment and Clean-up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating vapor conditions. Cover with sand, dry lime or soda ash and place in a closed container for disposal. Provide ventilation. Evacuate unnecessary personnel.

Other Information: Report spills to local health, safety and environmental authorities, as required.

Section 7 - Handling and Storage

Handling Precautions

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not breathe dust minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing

Storage: Store in a cool, dry, well-ventilated area, out of direct sunlight. Keep quantities stored as small as possible. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel.

Section 8 - Exposure Controls / Personal Protection

Chemical Names	ACGIH- TLV	OSHA - PEL
Tetramethylammonium chloride	None Listed	None Listed

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.

NOTE: TWA Means "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded."

C Means Ceiling Limit

*Listed on the OSHA Z1 Table

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

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Contaminated Equipment: Separate contaminated work clothes from street clothes and launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Personal protective equipment

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/ISEA 105-2011**

Full contact: Nitrile rubber

Splash contact: Nitrile rubber

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH.

Skin and body protection

Impervious clothing

Protective Clothing Pictograms



Splash Goggles



Gloves



Protective Apron

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: Amber

Odor: Lemon

Vapor Pressure: No information found

Vapor Density (Air=1): 1

Molecular Weight: No information found

Specific Gravity (H₂O=1): 1.0

pH: 7

Water Solubility: Complete

Boiling Point: Not applicable

Freezing/Melting Point: Not applicable

Viscosity: Not available

Flash Point: 212 °F (100°C)

Auto ignition Temperature: Not applicable

LEL: Not applicable

UEL: Not applicable

Section 10 - Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Polymerization: Hazardous polymerization has not been reported.

Chemical Incompatibilities: Strong acidizing agents.

Conditions to Avoid: Incompatibles.

Hazardous Decomposition Products: Oxides of carbon and sulfur.

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Section 11- Toxicological Information

Product Name	Results	Species	Dose	Exposure
Tetramethylammonium chloride	Oral LC50	Rat	2.5 g/kg	Not listed

Routes: Ingestion. skin and/or eye contact.

Target Organs: None

Inhalation. Causes mild respiratory tract irritation.

Ingestion Swallowing large amount may cause digestive discomfort.

Skin Causes mild skin irritation

Eyes Causes mild eye irritation

Teratogenicity/Embryotoxicity: Not harmful to the unborn child

Reproductive Toxicity: Not a reproductive hazard

Mutagenicity: Not a mutagen

Signs and Symptoms of Exposure: Mild skin, eye irritation and may cause digestive discomfort.

Carcinogenicity:

Chemical Name	IARC	ACGIH	NTP	OSHA
Tetramethylammonium chloride	Not listed	Not listed	Not listed	Not Listed

Key to Abbreviations

IARC = International Agency for Research on Cancer.

ACGIH= American Conference of Governmental Industrial Hygienists

NTP = National Toxicology Program

Section 12 - Ecological Information

Product Name	Results	Species	Exposure
Tetramethylammonium chloride	LD50 21 mg/L	Fish	96 hours

Toxicity An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Mobility in soil: No data available for this product

Persistence/degradability: No data available for this product

Bioaccumulation: No data available for this product

PBT and vPvB assessment: No data available for this product.

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Section 13 - Disposal Considerations

Disposal: DO NOT REUSE EMPTY CONTAINER! Container with residues should be considered to be hazardous wastes. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulation

Section 14 - Transport Information

US Transport Information

Regulatory Information	UN #	Proper Shipping Name	Hazard Class	PG	Label	Additional Information
DOT Classification		Not Regulated				

Section 15 - Regulatory Information

US Regulations:

TSCA: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

CERCLA Hazardous Substances and corresponding RQs: None

SARA Community Right-to-Know Program: None

Clean Water Act: none

Clean Air Act: none

OSHA: All ingredients are listed in 1910.1200

State Regulations

California prop. 65: None

Chemicals on the following State Right to Know Lists:

Massachusetts: All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements

New Jersey All components of this product are on the New Jersey inventory or are exempt from Inventory requirements

Pennsylvania: All components of this product are on the Pennsylvania Inventory or are exempt from Inventory requirements

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Section 16 - Other Information

Disclaimer: The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

References: CHEMpendium data base of Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller on Line, European Chemical Agency Data Base and MSDS and SDS of chemicals in this mixture.

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Prepared by

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