

Safety Data Sheet

1. Identification

Product Information:	M-12
Product Name:	Maintenance One Germicidal Cleaner
Recommended Use:	EPA Registered Germicidal Cleaner (EPA Reg. No. 47371-131-70578)
Application Method:	Refer To Product Label
Supplied By:	General Paint & Manufacturing Co. 201 Jandus Road Cary, IL 60013 Telephone: (847) 639-5383
Emergency Telephone:	(866)257-3981

2. Hazards Identification

HAZARDS OVERVIEW: Causes serious eye damage. Causes skin irritation. Avoid contact with eyes, skin and clothing.

GHS Classification

Eye Dam. 1, Skin Irrit. 2

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

4% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS

Skin Irritation, category 2	H315	Causes skin irritation.
Serious Eye Damage, category 1	H318	Causes serious eye damage.

GHS LABEL PRECAUTIONARY STATEMENTS

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P362	Take off contaminated clothing.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
didecyldimethylammonium chloride	7173-51-5	2.5-10	GHS05-GHS07	H302-314
BENZALKONIUM CHLORIDE	68424-85-1	1.0-2.5	No Information	No Information
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	64-02-8	0.1-1.0	GHS05-GHS06	H302-318-331

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

4. First-aid Measures



FIRST AID - INHALATION: Remove person to fresh air. If signs/symptoms continue, get medical attention.

FIRST AID - SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. IF IRRITATION PERSISTS OR IF CONTACT HAS BEEN PROLONGED OBTAIN MEDICAL ATTENTION. FLUSH WITH WATER.

FIRST AID - EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER IMMEDIATELY AND REPEATEDLY AND SEEK PROMPT MEDICAL ATTENTION.

FIRST AID - INGESTION: Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Have the victim drink 8 to 10 ounces (240 - 300 ml) of water to dilute the material in the stomach. If vomiting occurs naturally, have the victim lean forward to reduce the risk of aspiration. Consult a physician immediately.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Container may rupture on heating.

SPECIAL FIREFIGHTING PROCEDURES: Use a self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode. USE WATER SPRAY TO KEEP FIRE EXPOSED CONTAINERS COOL. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Exposure to decomposition products may be a hazard to health.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

6. Accidental Release Measures

ENVIRONMENTAL PRECAUTIONS: Contain any spills immediately and dike area to prevent spreading. Do not allow contact with soil, surface or ground water.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ISOLATE HAZARD AREA AND KEEP UNNECESSARY PEOPLE AWAY. DO NOT ALLOW THE LIQUID TO ENTER INTO ANY SEWERS, ONTO THE GROUND OR INTO ANY BODY OF WATER. FOR LARGE SPILLS, USE A DIKE AND PUMP INTO APPROPRIATE CONTAINERS. SMALL SPILLS, DILUTE WITH WATER AND RECOVER OR USE NON-COMBUSTIBLE ABSORBENT MATERIAL AND SHOVEL INTO WASTE CONTAINERS.

7. Handling and Storage



HANDLING: DO NOT GET IN EYES, ON SKIN OR CLOTHING. KEEP CONTAINER TIGHTLY CLOSED. WEAR PERSONAL PROTECTION EQUIPMENT. DO NOT BREATHE VAPORS. WASH THOROUGHLY AFTER HANDLING. KEEP FROM FREEZING.

STORAGE: Store in a cool dry area. KEEP OUT OF REACH OF CHILDREN.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
didecyldimethylammonium chloride	N.E.	N.E.	N.E.	N.E.
BENZALKONIUM CHLORIDE	N.E.	N.E.	N.E.	N.E.
TETRASODIUM ETHYLENE DIAMINE	N.E.	N.E.	N.E.	N.E.
TETRAACETATE				

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

Personal Protection

RESPIRATORY PROTECTION: Respirator use is not expected to be necessary under normal conditions of handling. In emergency situations, use of a NIOSH-approved respirator may be required.



SKIN PROTECTION: PVC or other plastic material gloves. Nitrile rubber. Natural rubber.



EYE PROTECTION: Tightly fitting safety goggles



OTHER PROTECTIVE EQUIPMENT: EYE WASH AND SAFETY SHOWERS SHOULD BE READILY AVAILABLE.



HYGIENIC PRACTICES: Wash hands before eating, drinking, or smoking.

9. Physical and Chemical Properties

Appearance:	Yellow Liquid	Physical State:	Liquid
Odor:	Lemon Scent	Odor Threshold:	No Information
Density, lb/gal:	8.08 - 8.48	pH:	7.8
Freeze Point, °C:	No Information	Viscosity:	No Information
Solubility in Water:	Soluble	Partition Coefficient, n-octanol/water:	No Information
Decomposition temperature, °C	No Information		
Boiling Range, °C:	98 - 104	Explosive Limits, %:	N/A
Combustibility:	Does Not Support Combustion	Flash Point, °C:	Not Applicable
Evaporation Rate:	Slower Than Ether	Auto-Ignition Temperature, °C	No Information
Vapor Density:	Lighter Than Air	Vapor Pressure, mmHg:	No Information

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

STABILITY: THIS MATERIAL IS STABLE UNDER NORMAL STORAGE AND HANDLING CONDITIONS.

CONDITIONS TO AVOID: KEEP FROM FREEZING.

INCOMPATIBILITY: Oxidizing agents. Strong acids and strong bases. Reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: MAY GENERATE TOXIC OR IRRITATING COMBUSTION PRODUCTS.

11. Toxicological Information**Practical Experiences**

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

EFFECT OF OVEREXPOSURE - SKIN CONTACT: CONTACT WITH SKIN CAUSES IRRITATION AND DISCOMFORT.

EFFECT OF OVEREXPOSURE - EYE CONTACT: EXPOSURE CAUSES SEVERE EYE IRRITATION, STINGING, TEARING, REDNESS, SWELLING, AND EYE DAMAGE.

EFFECT OF OVEREXPOSURE - INGESTION: May be harmful if swallowed.

EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS: No Information

CARCINOGENICITY: No Information**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Contact**Acute Toxicity Values****The acute effects of this product have not been tested. Data on individual components are tabulated below**

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
64-02-8	TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	630 mg/kg	N.I.	10 mg/l

N.I. = No Information

12. Ecological Information**ECOLOGICAL INFORMATION:** Harmful to aquatic life with long lasting effects.**13. Disposal Information**

Product

DISPOSAL METHOD: No Information

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ISOLATE HAZARD AREA AND KEEP UNNECESSARY PEOPLE AWAY. DO NOT ALLOW THE LIQUID TO ENTER INTO ANY SEWERS, ONTO THE GROUND OR INTO ANY BODY OF WATER. FOR LARGE SPILLS, USE A DIKE AND PUMP INTO APPROPRIATE CONTAINERS. SMALL SPILLS, DILUTE WITH WATER AND RECOVER OR USE NON-COMBUSTIBLE ABSORBENT MATERIAL AND SHOVEL INTO WASTE CONTAINERS.

14. Transport Information**SPECIAL TRANSPORT PRECAUTIONS:** This product can be transported as a LIMITED QUANTITY for 1 Gallon or less.

DOT Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s.	Packing Group:	III
DOT Technical Name:	Didecyldimethyl ammonium chloride, Alkyldimethylbenzyl ammonium chloride	Hazard SubClass:	No Information
DOT Hazard Class:	9	Resp. Guide Page:	No Information
		DOT UN/NA Number:	UN3082

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Skin Corrosion or Irritation, Serious eye damage or eye irritation

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

U.S. State Regulations:

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS-No.</u>
WATER	7732-18-5
N,N-DIMETHYLOCTYLAMINE N-OXIDE	2605-78-9

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u>	<u>CAS-No.</u>
WATER	7732-18-5

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class No Information

