



SAFETY DATA SHEET

1. Identification

Product identifier	MAXIMA 256	
Other means of identification		
Product number	161042 / 192003	
Recommended use	Disinfectant Cleaner	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	Burlin & Company, Inc.	
Address	P.O. Box 270 Indianapolis, IN 46206 United States	
Telephone	Phone:	317-923-3211
	Fax:	317-925-4596
Website	www.Burlin.com	
Emergency phone number	CHEMTREC	1-800-424-9300

2. Hazard(s) identification

Physical hazards	Flammable liquids	Not classified
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Not classified
	Hazardous to the aquatic environment, long-term hazard	Not classified
OSHA defined hazards	Not classified.	
GHS label elements		
Hazard statement	Causes skin irritation. Causes serious eye irritation.	
Label elements		



Signal word	Danger
Prevention	Wash thoroughly after handling. Avoid release to the environment. If contact is likely, safety glasses with side shields are recommended. For prolonged or repeated skin contact use suitable protective gloves.
Response	IF IN EYES: Immediately flush eyes with plenty of water. Remove contact lenses if present and safe to do so. Continue rinsing. Get medical attention if irritation develops or persists. IF ON SKIN: Wash off with plenty of soap and water. Remove and wash contaminated clothing before use. Get medical attention if irritation develops and persists. IF SWALLOWED: Rinse mouth thoroughly with water. Drink plenty water to dilute contents of stomach. If large amount is ingested, contact a poison control center immediately. If a person feels unwell, consult a physician. IF INHALED: Move to fresh air. If a person feels unwell, contact a physician or medical personnel.
Storage	Keep out of the reach of children.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

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Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
CITRIC ACID, USP FINE GRANULATED		77-92-9	5 - <10
N-Alkyl(C14 50%, C12 40%, C16 10%)-N,N-dimethyl-N-benzylammonium Chloride		68424-85-1	5 - <10
Didecyldimethylammonium chloride		7173-51-5	1 - <5
Diocetyl Dimethyl Ammonium Chloride		5538-94-3	1 - <5
ETHYL HYDROXIDE		64-17-5	1 - <5
Octyl Decyl Dimethyl Ammonium Chloride		32426-11-2	1 - <5
Other components below reportable levels			70 - <80

4. First-aid measures

Eye contact	Immediately flush eyes with plenty of water. Remove contact lenses if present and safe to do so. Continue rinsing. Get medical attention if irritation develops or persists.
Skin contact	Wash off with plenty of soap and water. Remove and wash contaminated clothing before use. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth thoroughly with water. Drink plenty water to dilute contents of stomach. If large amount is ingested, contact a poison control center immediately. If a person feels unwell, consult a physician. Do not induce vomiting without medical advice.
Inhalation	Move to fresh air. If a person feels unwell, contact a physician or medical personnel.
Notes to physician	If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of immediate medical attention and special treatment needed	If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.
General information	If you feel unwell, seek medical advice (show the label where possible).

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling

Do not get this material in contact with eyes. Do not get this material in contact with skin. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Do not mix with other chemicals.

Conditions for safe storage, including any incompatibilities

Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
ETHYL HYDROXIDE (CAS 64-17-5)	STEL	1000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
ETHYL HYDROXIDE (CAS 64-17-5)	TWA	1900 mg/m ³
		1000 ppm

Control parameters

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
ETHYL HYDROXIDE (CAS 64-17-5)	PEL	1900 mg/m ³
		1000 ppm

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection If contact is likely, safety glasses with side shields are recommended.

Skin protection

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Not normally needed.

Respiratory protection

Not normally needed. In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Color	clear green
Odor	pleasant Sassafrass
Odor threshold	Not available.
pH	1.3
Melting point/freezing point	Not available.
Boiling point	212 °F (100 °C)

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Flash point	None to Boiling: Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	as water
Vapor density	as water
Solubility(ies)	
Solubility (water)	100 %
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Specific gravity	1.02
VOC (Weight %)	2.1 %

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	This product may react with reducing agents. Do not mix with other chemicals.
Incompatible materials	This product may react with reducing agents. Incompatible with bases.
Hazardous decomposition products	nitrogen oxides (NOx) Carbon oxides

11. Toxicological information

Information on likely routes of exposure

Eye contact	Causes eye irritation.
Skin contact	Irritating to skin.
Ingestion	Expected to be a low ingestion hazard. May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
Inhalation	May cause irritation to the respiratory system.

Symptoms related to the physical, chemical and toxicological characteristics Causes eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation.

Acute toxicity

MAXIMA 256	5.89 g/kg Acute Oral LD50 Species: Rat
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Skin corrosion/irritation

Irritation Corrosion - Skin

MAXIMA 256	4.496 Primary Skin: Draize, moderately irritating Species: Rabbit
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Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

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Reproductive toxicity Not available.

12. Ecological information

Ecotoxicity Contains a substance which causes risk of hazardous effects to the environment.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Dispose in accordance with all applicable regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Triple rinse containers. Can be offered for recycling, re-conditioning or puncture. Do not re-use empty containers.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA (Superfund) reportable quantity

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)
Not regulated.

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Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

ETHYL HYDROXIDE (CAS 64-17-5)

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

ETHYL HYDROXIDE (CAS 64-17-5)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. Other information, including date of preparation or last revision

HMIS® ratings

Health: 2
Flammability: 0
Physical hazard: 0
Personal protection: B

NFPA ratings

Health: 2
Flammability: 0
Instability: 0

Revision Information

Product and Company Identification: Product and Company Identification
Hazards Identification: US Hazard Categories
Composition / Information on Ingredients: Disclosure Overrides
Toxicological Information: Toxicological Property Data
Transport Information: Material Transportation Information
Regulatory Information: United States
Material Attributes & Uses; Experimental Data: Physical States
Index: United States
GHS: Classification

Issue date

05-15-2014

Version

01

Further information

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CORROSIVE

Causes irreversible eye damage and skin burns.

Harmful if swallowed.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.