	Material Safety Data Sheet	
	duct and Company Identification	
Product Name	Malachite Green Oxalate	Product 258
		Code
Manufacturer]	EMD Chemicals Inc.	Effective 3/3/2003
]	P.O. Box 70	Date
	480 Democrat Road	The second secon
(Gibbstown, NJ 08027	AIR
]	Prior to January 1, 2003 EMD Chemical	Is Inc. was
1	EM Industries, Inc. or EM Science, Divi	ision of
1	EM Industries, Inc.	
For More Infor	mation Call	In Case of Emergency Call
856-423-6300	Technical Service	800-424-9300 CHEMTREC
Monday-Friday	: 8:00 AM - 5:00 PM	(USA)
		613-996-6666 CANUTEC
		(Canada)
		24 Hours/Day: 7 Days/Week
Synonym	BASIC GREEN 4; C.I. #42000	
Material Uses		
Chemical	Triphenylmethane derivative.	
Family		
Component	nposition and Information on Ingredi	CAS # % by Weight
		CAS # % by
Component Malachite Greer	n Oxalate	CAS # % by Weight
Component Malachite Greer Section 3. Haz	n Oxalate zards Identification	CAS # % by Weight
Component Malachite Greer Section 3. Haz Physical State a	n Oxalate	CAS # % by Weight
Component Malachite Greer Section 3. Haz Physical State a Appearance	n Oxalate zards Identification and Solid. (Crystals solid.)	CAS # % by Weight
Component Malachite Green Section 3. Haz Physical State a Appearance Emergency	n Oxalate zards Identification and Solid. (Crystals solid.) WARNING!	CAS # % by Weight
Component Malachite Greer Section 3. Haz Physical State a Appearance	and Solid. (Crystals solid.) WARNING! HARMFUL IF SWALLOWED.	CAS # % by Weight 18015-76-4 100
Component Malachite Green Section 3. Haz Physical State a Appearance Emergency Overview	an Oxalate zards Identification and Solid. (Crystals solid.) WARNING! HARMFUL IF SWALLOWED. CAUSES RESPIRATORY TRAC	CAS # % by Weight
Component Malachite Green Section 3. Haz Physical State a Appearance Emergency Overview Routes of Entry	an Oxalate zards Identification and Solid. (Crystals solid.) WARNING! HARMFUL IF SWALLOWED. CAUSES RESPIRATORY TRAC y Inhalation. Ingestion.	CAS # % by Weight 18015-76-4 100
Component Malachite Green Section 3. Haz Physical State a Appearance Emergency Overview Routes of Entry Potential Acute	an Oxalate zards Identification and Solid. (Crystals solid.) WARNING! HARMFUL IF SWALLOWED. CAUSES RESPIRATORY TRAC y Inhalation. Ingestion.	CAS # % by Weight 18015-76-4 100
Component Malachite Green Section 3. Haz Physical State a Appearance Emergency Overview Routes of Entry Potential Acute Effects	and Solid. (Crystals solid.) WARNING! HARMFUL IF SWALLOWED. CAUSES RESPIRATORY TRAC y Inhalation. Ingestion.	CAS # % by Weight 18015–76–4 100
Component Malachite Green Section 3. Haz Physical State a Appearance Emergency Overview Routes of Entry Potential Acute Effects	and Solid. (Crystals solid.) WARNING! HARMFUL IF SWALLOWED. CAUSES RESPIRATORY TRAC y Inhalation. Ingestion. Health Eyes Hazardous in case of eye contact (i	CAS # % by Weight 18015-76-4 100 T, EYE AND SKIN IRRITATION.
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Section 4. First	
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flammability of the	e Non-flammable.
Product	
Auto-ignition	Not applicable.
Temperature	
Flash Points	Not applicable.
Flammable Limits	**
Products of	Not available.
Combustion	
Fire Hazards in	Not applicable.
Presence of Various	S
Substances	
	Risks of explosion of the product in presence of static discharge: No.
in Presence of	
Various Substances	s Risks of explosion of the product in presence of mechanical impact:
	No.
Fire Fighting Medi	a Not applicable.
and Instructions	
Protective Clothing	, Not applicable.
(Fire)	
Special Remarks of	n Not available.
Fire Hazards	
Special Remarks of	
Explosion Hazards	

Section 6. Accidental Release Measures

Small Spill and	Use appropriate tools to put the spilled solid in a convenient waste
Leak	disposal container.
Large Spill and	Stop leak if without risk. Do not get water inside container. Do not touch
Leak	spilled material. Use water spray to reduce vapors. Prevent entry into
	sewers, basements or confined areas; dike if needed. Call for assistance on
	disposal. Finish cleaning by spreading water on the contaminated surface
	and allow to evacuate through the sanitary system.
Spill Kit	No specific spill kit required for this product.

Information

Section 7. Handlin Handling	Avoid contact with eyes, skin and clothing. Do not ingest. Avoid
Storage	breathing dust. Keep container closed. Keep container in a cool, well-ventilated area.
Section 8 Exposu	re Controls/Personal Protection
Engineering	Use process enclosures, local exhaust ventilation, or other engineering
Controls	controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	n
Eye	s Splash goggles.
Body	y Lab coat.
Respirator	y Dust respirator. Be sure to use an approved/certified respirator or
	equivalent. Wear appropriate respirator when ventilation is inadequate.
Hand	s Gloves.
Feet	t Not applicable.
Protective Clothing	
(Pictograms)	
Personal Protection	n Splash goggles. Full suit. Dust respirator. Boots. Gloves. A
in Case of a Large	self-contained breathing apparatus should be used to avoid inhalation of
Spill	the product. Suggested protective clothing might not be sufficient; consult
	a specialist BEFORE handling this product.
Product Name	Exposure Limits
Malachite Green Ox	alate Not available.
Section 9. Physica Odor	al and Chemical Properties Not available.
	Green.
Color Developed State and	
Physical State and	Solid. (Crystals solid.)
Appearance Molecular Weight	020.04 a/mala
Molecular Formula	
pH	Not available.
Boiling/Condensati	
Point	
Melting/Freezing	Not available.
Point	
Specific Gravity	Not available.
Vapor Pressure	Not available.
Vapor Density	Not available.
Odor Threshold	Not available.
Evaporation Rate	Not available.
LogKow	Not available.
Solubility	Soluble in water.
	ity and Reactivity The product is stable.

Not available.
Reactive with oxidizing agents.
Not available.
Not available.
Will not occur.

Section 11. Toxicological Information RTECS Number:

ITTEOD I TUMOUT	
	Malachite Green Oxalate, Certified Not available.
	Biological Stain
Toxicity	LD50: Not available.
	LC50: Not available.
Chronic Effects on	Not available.
Humans	
Acute Effects on	Hazardous in case of eye contact (irritant). Inflammation of the eye is
Humans	characterized by redness, watering, and itching. Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Hazardous in case of inhalation (lung irritant). Hazardous in case of ingestion.
Synergetic Product	s Not available.
(Toxicologically)	
Irritancy	Draize Test: Not available.
Sensitization	Not available.
Carcinogenic	This material is not known to cause cancer in animals or humans.
Effects	
Toxicity to	Not available.
Reproductive	
System	
Teratogenic Effects	s Not available.
Mutagenic Effects	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Toxicity of the	The products of degradation are less toxic than the product itself.
Products of	
Biodegradation	

Section 13. Disposal Considerations

Dection 15. Die	posur constati attons
EPA Waste	Not available.
Number	
Treatment	Material does not have an EPA Waste Number and is not a listed waste,
	however consultation with a permitted waste disposal site (TSD) should

be accomplished. Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations.

	sport Information
DOT Classification	
FDG Classification	
IMO/IMDG	Not available.
Classification	NY
ICAO/IATA	Not available.
Classification	
Section 15. Regul	latory Information
U.S. Federal Regulations	TSCA 8(b) inventory: Malachite Green Oxalate
	SARA 302/304/311/312 extremely hazardous substances: No products were found.
	SARA 302/304 emergency planning and notification: No products were
	found.
	SARA 302/304/311/312 hazardous chemicals: No products were found.
	SARA 311/312 MSDS distribution - chemical inventory - hazard
	identification: No products were found.
	SARA 313 toxic chemical notification and release reporting: No products were found.
	Clean Water Act (CWA) 307: No products were found.
	Clean Water Act (CWA) 311: No products were found.
	Clean air act (CAA) 112 accidental release prevention: No products were found.
	Clean air act (CAA) 112 regulated flammable substances: No products were found.
	Clean air act (CAA) 112 regulated toxic substances: No products were found.
WHMIS (Canada)	
	CEPA DSL: Malachite Green Oxalate
	This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.
International	information.
Regulations	
EINECS	Malachite Green Oxalate 241-922-5
DSCL (EEC)	
()	R41– Risk of serious damage to eyes.
International	
Lists	
	Koreau (TCCL): Malachite Green Oscalate
	Philippines (RA6969): Malachite Green Oxalate
	China: No products were found.
State Regulations	No products were found.
	California prop. 65: No products were found.

Section 16. Other Information

National Fire Protection Association (U.S.A.)

1 Fire 20 Hazard

Health

Reactivity

6

Specific Hazard

Changed Since Last + Revision

ICCV151011

Notice to Reader

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