

SAFETY DATA SHEET

Date Prepared : 03/23/2018
SDS No. : Miami Filter Cleaner

Sanygen Filter Cleaner

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Sanygen Filter Cleaner
GENERAL USE: Filter Cleaner
PRODUCT DESCRIPTION: Granular Filter Cleaner

DISTRIBUTOR

Miami Products & Chemical Company
P.O. Box 486
Dayton, OH 45401

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2
Serious Eye Damage, Category 1

GHS LABEL



Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H315: Causes skin irritation.
H318: Causes serious eye damage.

PRECAUTIONARY STATEMENT(S)

Prevention:

P264: Wash ... thoroughly after handling.
7052PC2H: Wear protective gloves, eye protection, protective clothing.

Response:

P302+P350: IF ON SKIN: Gently 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.
P311: Call a POISON CENTER/doctor/...
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362: Take off contaminated clothing.

Storage:

P402+P404: Store in a dry place. Store in a closed container.
P410+P403: Protect from sunlight. Store in a well-ventilated place.

Disposal:

P501: Dispose of contents/container to ...

POTENTIAL HEALTH EFFECTS

INGESTION: May be harmful if swallowed.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: Not known or reported to cause reproductive or developmental toxicity.

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CARCINOGENICITY: Not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

SENSITIZATION: Not expected to be a skin sensitizer.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Sodium Bisulfate (Eye Dam. 1, H318)	80 - 85	7681-38-1
Citric Acid (Eye Irritant 2A, H319)	5 - 15	77-92-9
Sodium Dodecylbenzene Sulfonate	0 - 2	25155-30-0

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Immediately flush skin with plenty of water for 15 minutes. If clothing comes in contact with the product, the clothing should be removed immediately and laundered before re-use. Seek medical attention.

INGESTION: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.

INHALATION: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops. If not breathing, give artificial respiration. Call for medical assistance.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Product is not known to be flammable, combustible, pyrophoric or explosive.

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

EXPLOSION HAZARDS: Will not ignite or burn.

FIRE FIGHTING PROCEDURES: Use water spray to cool unopened containers.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear. Water can be used to cool and protect exposed material.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: If product contaminates rivers, lakes or drains, inform respective authorities.

LAND SPILL: Sweep up and place in suitable clean, dry containers for reclamation or later disposal. Avoid dust generation. Do not place spill materials back in their original containers. After removal, flush contaminated area thoroughly with water. Avoid runoff into storm sewers and ditches which lead to waterways.

AIR SPILL: Keep people away from and upwind of spill/leak.

SPECIAL PROTECTIVE EQUIPMENT: Additional protective clothing must be worn to prevent personal contact with this material. Those items include but are not limited to boots, impervious gloves, hard hat, splash-proof goggles, impervious clothing, i.e., chemically impermeable suit, self-contained breathing apparatus.

COMMENTS: Prevent further leakage or spillage if safe to do so. Use personal protective equipment as required. Evacuate personnel to safe areas.

7. HANDLING AND STORAGE

HANDLING: Keep container tightly closed when not in use. Avoid contact with skin, eyes and clothing.

STORAGE: Store in a cool, dry place. Keep out of reach of children. Keep away from metals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Sodium Bisulfate (Eye Dam. 1, H318)	OSHA PEL	TWA	ppm ^[1]	mg/m ³ ^[1]
		STEL	ppm	mg/m ³
	ACGIH TLV	TWA	ppm	mg/m ³
		STEL	ppm	mg/m ³
	Supplier OEL	TWA	NL ppm	NL mg/m ³
		STEL	NL ppm	NL mg/m ³
Citric Acid (Eye Irritant 2A, H319)	OSHA PEL	TWA	[2]	[2]
	ACGIH TLV	TWA	[3]	[3]
Sodium Dodecylbenzene Sulfonate	OSHA PEL	TWA	ppm ^[4]	mg/m ³ ^[4]
		STEL	ppm	mg/m ³
	ACGIH TLV	TWA	ppm	mg/m ³
		STEL	ppm	mg/m ³
	Supplier OEL	TWA	NL ppm	NL mg/m ³
		STEL	NL ppm	NL mg/m ³

Footnotes:

1. This material meets the definition as an Irritant as defined in OSHA's Hazard Communication Standard.
2. 5 mg/m³ (respirable dust)
3. Not established. Use TLV for Nuisance dusts of 5 mg/m³.
4. NL = Not Listed

ENGINEERING CONTROLS: Local exhaust ventilation is recommended if significant dusting occurs. Otherwise use general exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical resistant goggles.

SKIN: Impervious gloves.

RESPIRATORY: If dusting occurs, wear a NIOSH approved respirator.

PROTECTIVE CLOTHING: Impervious clothing (butyl rubber, neoprene)

WORK HYGIENIC PRACTICES: Provide safety shower and eyewash station in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: Slight.

APPEARANCE: Purple.

pH: Less than 1 (10 g/l as aqueous solution)

FLASHPOINT AND METHOD: Not Applicable.

FLAMMABLE LIMITS: Not combustible, not flammable, not explosive. This mixture is not classified as a pyrophoric.

VAPOR PRESSURE: Not Determined

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VAPOR DENSITY: Not Determined.
BOILING POINT: 104.4°C (220°F)
MELTING POINT: Not Applicable
SOLUBILITY IN WATER: 300 g/l at 20° C
EVAPORATION RATE: Not Applicable
SPECIFIC GRAVITY: 1.3
VISCOSITY: Not Applicable

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.
CONDITIONS TO AVOID: Heat.
HAZARDOUS DECOMPOSITION PRODUCTS: Sulfphur oxides. Other hazardous decomp products may be formed.
INCOMPATIBLE MATERIALS: Oxidizing agents, cyanides, sulphides, bases.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

NOTES: Component Animal Toxicology

(Sulfuric acid) Oral LD50 = 2800 mg/kg (rat)

(Citric Acid) Oral LD50 = 3000 mg/kg (rat)

(Sulfuric Acid) Dermal LD50 No data

(Citric Acid) Dermal LD50 >2000 mg/kg (rabbit)

(Citric Acid and Sulfuric Acid) Inhalation LD50 - No Data

Product Animal Toxicity:

Oral LD50: believed to be >3000 mg/kg

Dermal LD50: believed to be >2000 mg/kg

Inhalation LC50 No data

RESPIRATORY OR SKIN SENSITISATION: Non-sensitizer.

CARCINOGENICITY

NOTES: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

REPRODUCTIVE TOXICITY: None known.

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: No data for product. Individual constituents are:

Sulfuric Acid:

Daphnia magna (water flea): 48 hr LC50 = 2,564 mg/l

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Bluegill sunfish: 96 hr LC50 = 12,750 mg/l

Fathead minnow: 96 hr LC50 - 7,960 mg/l

Mosquito fish: 48 hr LC50 = 3,710 mg/l

Ceriodaphnia dubia: 48 hr LC50 = 3,080 mg/l

Citric Acid:

Lepomis macrochirus (bluegill sunfish) - (static) 96 hr LC50 = 1516 mg/l

Daphnia magna (water flea) - 72 hr EC50 Approximately 120 mg/l

Sodium Dodecylbenzenesulfonate:

Rainbow trout: 96 hr LC50 = 3.2 mg/l

Bluegill sunfish: 96 hr LC50 = 2.8 mg/l

Daphnia magna (water flea): 48 hr LC50 = 9.4 mg/l

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

RCRA/EPA WASTE INFORMATION: If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of a hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: This material does not contain any chemical components with know CAS numbers that exceed the threshold (DeMinimus) reporting levels established by Sara Title II, Section 313.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Sodium Dodecylbenzene Sulfonate	0 - 2	1,000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All components are listed.

CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: None of the ingredients are listed as carcinogens.

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REGULATIONS

STATE REGULATIONS: Massachusetts Right to Know

CAS 7757-82-6 Sodium Sulfate

Pennsylvania Right to Know

CAS 7681-38-1 Sodium hydrogensulphate

CAS 77-92-9 Citric Acid

CAS 7757-82-6 Sodium Sulfate

New Jersey Right to Know

CAS 7581-38-1 Sodium hydrogensulfate

CAS 77-92-9 Citric Acid

CAS 7757-82-6 Sodium Sulfate

CAS 25155-30-0 Sodium Dodecylbenzenesulfonate

CALIFORNIA PROPOSITION 65: There are no chemicals present known to the State of California to cause cancer.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): Not regulated.

16. OTHER INFORMATION

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