



Safety Data Sheet

Drug Buster Drug Disposal System

Section 1. Identification

Product Identifier Drug Buster Drug Disposal System
Synonyms OTC3200; OTC3204; OTC3210; OTC3230; MSD_SDS0138
Manufacturer Stock OTC3200; OTC3204; OTC3210; OTC3230
Numbers

Recommended use Drug disposal system.
Uses advised against N.D.

Manufacturer Contact Medline
Address 3 Lakes Drive
Northfield, IL, 60093
USA

Phone
(800) 633-5463

Emergency Phone
(800) 424-9300
CHEMTREC

Fax
(847) 643-4436

Website
www.Medline.com

Section 2. Hazards Identification

Classification SERIOUS EYE DAMAGE /EYE IRRITATION - Category 2A
SKIN CORROSION/IRRITATION - Category 2

Signal Word Warning

Pictogram



Hazard Statements	Causes serious eye irritation Causes skin irritation
Precautionary Statements	
Response	If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin: Wash with plenty of soap, water If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Prevention	Wash hands thoroughly after handling. Wear eye protection, protective gloves.
Storage	N/A
Disposal	N/A
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	N.A.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
7440-44-0	Activated Carbon	3% - 7%
64-19-7	Acetic acid	1% - 5%
110-97-4	Diisopropanolamine	0.5% - 1.5%
26027-38-3	Nonoxynol-9	0.1% - 1%
27323-41-7	Triethanolamine dodecylbenzene sulfonate	< 0.1 %

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

First-Aid Measures	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
General:	
Inhalation:	Assure fresh air breathing. Allow the victim to rest.
Skin contact:	Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Most important symptoms and effects, both acute and delayed:	Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injuries after eye contact:
Causes serious eye irritation.

Indication of Any Immediate Medical Attention and Special Treatment Needed: Treat symptomatically.

Additional Information

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable Extinguishing Media: Do not use a heavy water stream.

Special hazards arising from the substance or mixture: Reactivity:
Stable at ambient temperature and under normal conditions of use.

Advice for firefighters: Firefighting Instructions:
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting:
Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6. Accidental Release Measures

For Non-Emergency Personnel: Emergency Procedures:
Evacuate unnecessary personnel.

For Emergency Responders: Protective Equipment:
Equip cleanup crew with proper protection.

Emergency Procedures:
Ventilate area.

Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Materials for Containment and Cleaning up: Methods for Cleaning Up:
Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Reference to other sections: See Heading 8. Exposure controls and personal protection.

Section 7. Handling and Storage

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Hygiene Measures: Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities:

Storage conditions:
Keep only in the original container in a cool, well ventilated place away from:
Strong acids, strong bases and oxidation agents. Keep container closed when not in use.

Incompatible products:
Strong bases. Strong acids.

Incompatible materials:
Direct sunlight.

Storage temperature:
5 - 32 °C

Specific End use(s): No additional information available.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Activated Carbon	N/A	N/A	N/A
	Acetic acid	N/A	N/A	N/A
	Diisopropanolamine	N/A	N/A	N/A
	Nonoxynol-9	N/A	N/A	N/A
	Triethanolamine dodecylbenzene sulfonate	N/A	N/A	N/A

Personal Protective Equipment

Goggles, Gloves

Appropriate Engineering Controls:

Ensure good ventilation of the work station.

Personal Protective Equipment:

Avoid all unnecessary exposure.

Hand Protection:

Wear protective gloves.

Eye Protection:

Chemical goggles or safety glasses.

Skin and Body Protection:

Wear suitable protective clothing.

Respiratory Protection:

Wear appropriate mask.

Other information:

Do not eat, drink or smoke during use.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Transparent gray to light blue
Odor	Characteristic of acetic acid
Odor Threshold	N.D.
Solubility	Miscible
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A

Viscosity	6.2
Specific Gravity	1.01
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	> 212° F
FP Method	Closed cup
pH	4.5-5.5
Melting Point	N.A.
Boiling Point	212° F
Boiling Range	N.E.
LEL	N/A
UEL	N/A
Evaporation Rate	< 1
Flammability	N.E. Does not support combustion
Decomposition Temperature	> 300
Auto-ignition Temperature	400° C
Vapor Pressure	N.D.
Vapor Density	N.D.

Explosive Properties: Not expected to be a fire/explosion hazard under normal conditions of use.
Oxidizing Properties: Not classified as oxidizing.
Explosive Limits: No data available
Other information: No additional information available.

Section 10. Stability and Reactivity

Reactivity: Stable at ambient temperature and under normal conditions of use.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous Reactions: None under normal use.
Conditions to avoid: Direct sunlight. Extremely high or low temperatures.
Incompatible Materials: Strong acids. Strong bases.
Hazardous Decomposition Products: Fumes. Carbon monoxide. Carbon dioxide.

Section 11. Toxicological Information

Information on toxicological effects: Acute toxicity: Not classified

Diisopropanolamine (CAS No. 110-97-4)
LD50 oral rat: 4765 mg/kg (Rat)
LD50 dermal rat: 16000 mg/kg (Rat)
LD50 dermal rabbit: 8000 mg/kg (Rabbit)
ATE US (oral): 4765.000 mg/kg body weight
ATE US (dermal): 8000.000 mg/kg body weight

Nonoxynol-9 (CAS No. 26027-38-3)
LD50 oral rat: 2780 mg/kg
ATE US (oral): 2780.000 mg/kg body weight

Acetic acid (CAS No. 64-19-7)
LD50 oral rat: 3310 mg/kg body weight (Rat; Other; Read-across)
ATE US (oral): 3310.000 mg/kg body weight

Triethanolamine dodecylbenzene sulfonate (CAS No. 27323-41-7)
LD50 oral rat: 325 mg/kg based on similar product

Skin corrosion/irritation: Causes skin irritation.
pH: 4.5 - 5.5

Serious eye damage/irritation: Causes serious eye irritation.
pH: 4.5 - 5.5

Respiratory/Skin Sensitization: Not classified.
Respiratory sensitization - Not classified
Skin sensitization - Not a skin sensitizer

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity - Single Exposure: Not classified.

Specific Target Organ Toxicity - Repeated Exposure: Not classified.

Aspiration hazard: Not classified.

Section 12. Ecological Information

Toxicity: Diisopropanolamine (CAS No. 110-97-4)
LC50 fish 1: 1000 - 2200 mg/l (96 h; Brachydanio rerio; pH > 7)
LC50 other aquatic organisms 1: 100 - 1000 mg/l (48 h; Xenopus laevis)
EC50 Daphnia 1: 353.8 mg/l (24 h; Daphnia magna)
LC50 fish 2: 1100 mg/l (24 h; Carassius auratus)
LC50 other aquatic organisms 2: 410 mg/l
EC50 Daphnia 2: 277.7 mg/l (48 h; Daphnia magna)
Threshold limit other aquatic organisms 1: 100 - 1000, 48 h; Xenopus laevis
Threshold limit other aquatic organisms 2: 410 mg/l
Threshold limit algae 1: 270 mg/l (72 h; Scenedesmus subspicatus)

Nonoxynol-9 (CAS No. 26027-38-3)
LC50 fish 1: > 10 mg/l Lepomis macrochirus (Bluegill)
EC50 Daphnia 1: 6.6 mg/l

Acetic acid (CAS No. 64-19-7)
LC50 fish 1: 75 mg/l (96 h; Lepomis macrochirus; GLP)
EC50 Daphnia 1: 47 mg/l (24 h; Daphnia magna; Not neutralized)
LC50 fish 2: 94 mg/l (96 h; Oryzias latipes)
EC50 Daphnia 2: 95 mg/l (24 h; Daphnia magna; Static system)

TLM fish 1: 100 ppm (96 h; Carassius auratus)
Threshold limit algae 1: 90 mg/l (192 h; Microcystis aeruginosa; Neutralized)
Threshold limit algae 2: 4000 mg/l (192 h; Scenedesmus quadricauda; Neutralized)

Persistence and degradability:

Drug Buster Drug Disposal System
Persistence and degradability: Not established.

Diisopropanolamine (CAS No. 110-97-4)
Persistence and degradability: Not readily biodegradable.

Acetic acid (CAS No. 64-19-7)
Persistence and degradability: Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
Biochemical oxygen demand (BOD): 0.6 - 0.74 g O₂/g substance
Chemical oxygen demand (COD): 1.03 g O₂/g substance
ThOD: 1.07 g O₂/g substance

Bioaccumulative potential:

Drug Buster Drug Disposal System:
Bioaccumulative potential: Not established.

Diisopropanolamine (CAS No. 110-97-4)
Log Pow: -0.79
Bioaccumulative potential: Not applicable.

Acetic acid (CAS No. 64-19-7)
BCF fish 1: 3.16 (Pisces)
Log Pow: -0.17 (Experimental value; 25 °C)
Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

Mobility in soil:

Acetic acid (CAS No. 64-19-7)
Surface tension: 0.028 N/m (20 °C)
Ecology - soil: May be harmful to plant growth, blooming and fruit formation.

Section 13. Disposal

Waste Treatment Methods: Waste disposal recommendations:
Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials:
Avoid release to the environment.

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not Regulated
DOT Classification	Not Regulated
Packing Group	Not Regulated
DOT:	Not regulated for transport.
IATA:	Not regulated for transport.
IMDG:	Not regulated for transport.

Section 15. Regulatory Information

SARA 311/312: Refer to Section 2 of the SDS.
SARA 302: N.A.
SARA 304: N.A.
SARA 313: N.A.
TSCA: All components are listed or exempt.
CERCLA Hazardous Substance List: Acetic Acid
Triethanolamine dodecylbenzene sulfonate
Clean Air Act (CAA) Section 112, 112 (r): N.A.
State Regulations: New Jersey Dept. Of Health RTK:
Acetic Acid
Triethanolamine dodecylbenzene sulfonate

Pennsylvania RTK:
Acetic Acid
Diisopropanolamine
Triethanolamine dodecylbenzene sulfonate

Rhode Island RTK:
Activated Carbon
Acetic Acid

Massachusetts RTK:
Acetic Acid
Triethanolamine dodecylbenzene sulfonate

Section 16. Other Information

Revision Date 2/2/2023

Legend N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

National Fire Protection Association (U.S.A): Health Hazard 2
National Fire Protection Association (U.S.A): Fire Hazard 0
National Fire Protection Association (U.S.A): Reactivity 0
HMIS (U.S.A.): Health 2
HMIS (U.S.A.): Flammability 0
HMIS (U.S.A.): Physical Hazard 0
HMIS (U.S.A.): Personal Protection B

Additional Information

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