




Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	Class E: Corrosive liquid.	Irritating material Corrosive Material
WHMIS (Pictograms)	WHMIS (Classification)	HCS

Section 1. Chemical Product and Company Identification

Product Name/ Trade name	Fast Draw 18 Sanibet 256	Code	344
Synonym	Not available.	CAS #	Mixture.
Chemical Family	Not available.	Validation Date	3/2/2007
Chemical Formula	Not applicable.	Print Date	3/24/2007
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (800) 666-2156	In Case of Emergency	CHEMTREC (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL/ NDSL	All components listed unless noted elsewhere on this MSDS		
		Protective Clothing 	

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Nonionic Surfactant	9016-45-9	1 - 5	Not available.	Not available.
Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	1 - 5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
Quaternary Ammonium Chloride	68424-95-3	2.28	Not available.	Not available.
Quaternary Ammonium Chloride	68424-85-1	1.52	Not available.	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	Very hazardous in case of skin contact (irritant), of eye contact (irritant). Hazardous in case of ingestion, of inhalation. Non-corrosive for skin. Non-sensitizer for skin. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Potential Chronic Health Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Over-exposure by inhalation may cause respiratory irritation.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Contact a poison control center immediately for treatment advice. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Check for contact lenses, remove after the first 5 minutes if present, then continue rinsing the eye.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. 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, preferably mouth to mouth. Get medical attention.

Ingestion	Contact a poison control center immediately for treatment advice. Do not induce vomiting unless instructed to do so by poison control center or doctor. Take small sips of water if able to swallow. Do not give anything by mouth to an unconscious person.
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Section 5. Fire Fighting Measures

Products of Combustion	These products are carbon oxides (CO, CO ₂).
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	COMBUSTIBLE.
Special Remarks on Explosion Hazards	No additional remark.


Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Prevent entry into sewers, basements or confined areas; dike if needed. Absorb with DRY earth, sand or other non-combustible material.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Handling and Storage

Precautions	After handling, always wash hands thoroughly with soap and water. Keep away from incompatibles. Keep away from sources of ignition. S2- Keep out of the reach of children. S20/21- When using do not eat, drink or smoke.
Incompatibility	Reactive with oxidizing agents.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Good general ventilation should be sufficient to control airborne levels. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	<p><i>Eyes</i> Splash goggles.</p> <p><i>Body</i> No special protective clothing is required.</p> <p><i>Respiratory</i> A respirator is not needed under normal and intended conditions of product use.</p> <p><i>Hands</i> Gloves: Protective gloves should be worn under normal conditions of use.</p>
Protective Clothing (Pictograms)	
Exposure Limits	Not available.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Faint Odor
Molecular Weight	Not applicable.	Taste	Not available.
pH	13 [Basic.]	Color	Yellowish.
Boiling/Condensation Point	100°C (212°F)		

Melting/Freezing Point	Not available.
Critical Temperature	Not available.
Instability Temperature	Not available.
Specific Gravity	1.02 (Water = 1)
Vapor Pressure	The highest known value is 0.001 kPa (0.01 mm Hg) (at 20°C) (nonylphenol polyethylene glycol ether).
Vapor Density	The highest known value is >1 (Air = 1) (nonylphenol polyethylene glycol ether).
Volatility	Not available.
VOC	Not available.
Evaporation Rate	<1 compared to Butyl acetate.
Dispersion Properties	See solubility in water.
Solubility	Easily soluble in cold water, hot water.
The Product is:	May be combustible at high temperature.
Auto-ignition Temperature	Not available.
Flash Points	Closed cup: >93.333°C (200°F).
Flammable Limits	Not available.
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Not available.

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Reactive with oxidizing agents.
Hazardous Decomposition Products	Not available.

Section 11. Toxicological Information

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 1850 mg/kg [Rat]. Acute dermal toxicity (LD50): 4430 mg/kg [Rabbit].
Acute Effects on Humans	<p><i>Eyes</i> Very hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.</p> <p><i>Skin</i> Very hazardous in case of skin contact (irritant). Non-corrosive for skin. Non-sensitizer for skin. Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.</p> <p><i>Inhalation</i> Over-exposure by inhalation may cause respiratory irritation. .</p> <p><i>Ingestion</i> Harmful if swallowed. May cause burns to mouth, throat and stomach.</p>
Chronic Effects on Humans	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Over-exposure by inhalation may cause respiratory irritation.

Special Remarks on Toxicity to Animals Not available.

Special Remarks on Chronic Effects on Humans Not available.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Products of Biodegradation These products are carbon oxides (CO, CO₂) and water.

Toxicity of the Products of Biodegradation The products of degradation are

Special Remarks on the Products of Biodegradation No additional remark.

Section 13. Disposal Considerations

Waste Information Hazardous waste.

Waste Stream Not available.

Section 14. Transport Information

DOT (U.S.A) (Pictograms)



TDG Classification TDG Class 8: Corrosive liquid.



PIN UN, Proper Shipping Name, PG Shipping name: Corrosive liquids, N.O.S. UNNA: UN1760 PG: III

Maritime Transportation Not available.

Special Provisions for Transport Not available.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) Class E: Corrosive liquid.



Regulatory Lists CEPA DSL: Ethanol

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications HCS (U.S.A.) Irritating material
Corrosive Material

USA Regulatory Lists

WARNING: This product contains chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm: 1,4-Dioxane ; Benzyl Chloride ; Benzene; Acetaldehyde
WARNING: This product contains chemical(s) known to the state of California to cause reproductive harm (female): Ethylene Oxide
WARNING: This product contains chemical(s) known to the state of California to cause birth defects or other reproductive harm.: Ethanol
WARNING: This product contains chemical(s) known to the state of California to cause cancer.: 1,4-Dioxane ; Ethylene Oxide ; Benzyl Chloride ; Benzene; Acetaldehyde
Pennsylvania RTK: Ethanol
Florida: Ethanol
Minnesota: Ethanol
Massachusetts RTK: Ethanol; Ethylene Oxide ; Benzyl Chloride ; Benzene
New Jersey: N.N-Dialkyl (C8-10) -N, N-dimethyl ammonium chloride ; Quaternary Ammonium Chloride; Ethanol
Clean air act (CAA) 112 regulated flammable substances: Ethanol

DSD (EEC)

R22- Harmful if swallowed.

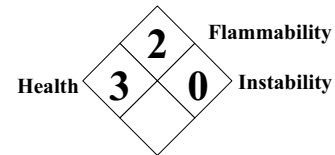
International Regulations Lists

No products were found.

Hazardous Material Information System (U.S.A.)

Health	3
Flammability	2
Physical Hazard	0

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



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Validated by CRushton on 3/2/2007.

Verified by CRushton.

Printed 3/24/2007.

Information Contact Betco Corporation
1001 Brown Avenue
Toledo, Ohio 43607

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on 3/2/2007.

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