





Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	D-2B	Class: Irritating substance.
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	7/8/2004
Chemical Formula	Not applicable.	Print Date	7/8/2004
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Oh 43607 (419) 241-2156	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
1) N,N-Dialkyl (C8-10) -N, N-dimethylammonium chloride	68424-95-3	2.28	Not available.	Not available.
2) N-Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	1.52	Not available.	Not available.
3) Nonionic Surfactant	9016-45-9	1-5	Not available.	Not available.
4) Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	1-5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].

Section 3. Hazards Identification

Potential Acute Health Effects	This product is a severe skin and eye irritant.
Potential Chronic Health Effects	May aggravate existing respiratory conditions such as asthma.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures


Eye Contact	Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek immediate medical attention.
Skin Contact	Flush with plenty of water for at least 15 minutes. Seek medical attention.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration., preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

Ingestion	Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.
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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	Not available.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures	
Small Spill and Leak	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary:
Large Spill and Leak	Prevent entry into sewers, basements or confined areas; dike if needed. Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Personal Protection in Case of a Large Spill	Self contained breathing apparatus. Rubber gloves. Splash goggles.

Section 7. Handling and Storage	
Precautions	Avoid contact with skin and eyes
Incompatibility	None Known
Storage	Keep out of the reach of children. Not for use or storage in or around the home.

Section 8. Exposure Controls/Personal Protection	
Engineering Controls	Good general ventilation should be sufficient to control airborne levels.
Personal Protection	
<i>Eyes</i>	Splash goggles.
<i>Body</i>	No special recommendations.
<i>Respiratory</i>	A respirator is not needed under normal and intended conditions of product use.
<i>Hands</i>	Nitrile gloves.
Protective Clothing (Pictograms)	
Exposure Limits	Ethyl Alcohol TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Faint Odor
Molecular Weight		Taste	
pH	13	Color	Clear Colorless.
Boiling/Condensation Point	100°C (212°F)		
Melting/Freezing Point	May start to solidify at 0°C (32°F) based on data for: Water.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1.02 (Water = 1)		
Vapor Pressure	The highest known value is 0 kPa (@ 20°C) (Nonionic Surfactant).		
Vapor Density	The highest known value is >1 (Air = 1) (Nonionic Surfactant).		
Volatility	>80% (w/w).		
VOC	Not Available		
Evaporation Rate	<1 compared to Butyl acetate.		
Dispersion Properties	See solubility in water, methanol, acetone.		
Solubility	Easily soluble in methanol, acetone. 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 considered to be flammable.		
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	None Known
Hazardous Decomposition Products	Not available.

Section 11. Toxicological Information

Routes of Entry	Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 1850 mg/kg [Rabbit]. Acute dermal toxicity (LD50): 4430 mg/kg [Rabbit].
Acute Effects on Humans	<i>Eyes</i> Severely irritating to the eyes. <i>Skin</i> This product may irritate eyes and skin upon contact. <i>Inhalation</i> May cause headache, dizziness. Irritating to mouth, throat and stomach. <i>Ingestion</i> May cause headache, dizziness, nausea, vomiting and diarrhea. May cause burns to mouth, throat and stomach.
Chronic Effects on Humans	May aggravate existing respiratory conditions such as asthma.
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 less toxic than the product itself.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

Section 14. Transport Information

DOT (U.S.A) (Pictograms)		
TDG Classification	Not a TDG controlled material.	
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

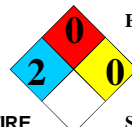
WHMIS (Classification)	D-2B	
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Regulatory Lists No products were found.

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

Other Classifications	HCS (U.S.A.)	Class: Irritating substance.
	USA Regulatory Lists	California Prop 65: The following components present in this material have been found by the state of California to cause cancer, birth defects, or other reproductive harm: Acetaldehyde, Benzene, Benzyl Chloride, 1,4- Dioxane, Ethylene Oxide, N-Nitrosodimethylamine, Propylene Oxide, Toluene

DSD (EEC)	
International Regulations Lists	No products were found.

Hazardous Material Information System (U.S.A.)	Health	2	National Fire Protection Association (U.S.A.)		Flammability
	Flammability	0			Instability
Physical Hazard	0	Specific Hazard			

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 7/8/2004. Verified by CRushton.
Printed 7/8/2004.

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.