

# MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

SECTION 1 - PRODUCT IDENTIFICATION			
Distributor	Clausen Carpet Solutions		Emergency Phone 800-444-8900
Address	P.O. Box 37 Folcroft, PA 19032		
Trade Name	DUAL	10040/10060/10050/10550	Product Type Sanitizing/Deodorizing Carpet Cleaner
SECTION 2 - HAZARDOUS INGREDIENTS			
CHEMICAL NAME/Common Name	CAS NO.	PERCENT(optional)	TLV(Source)
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides	68391-01-5	1.0	Not Established
n-Alkyl (50% C12, 30% C14, 17% C16, , 3% C18) dimethyl ethylbenzyl ammonium chlorides	68956-79-6	1.0	Not Established
Sodium metasilicate	6834-92-0		Not Established
Other ingredients in this product are : <input checked="" type="checkbox"/> Less than 1% by weight or less than 0.1% for carcinogens <input checked="" type="checkbox"/> Not hazardous <input checked="" type="checkbox"/> Declared to be Trade Secret			
SECTION 3 - PHYSICAL DATA			
Boiling point(*F.)	212	Specific Gravity(H2O=1.0) (± 0.005)	1.045
		pH (± 0.5)	12.5
Vapor Pressure(mm Hg)	Unknown	Vapor Density(Air=1)	Unknown
Solubility in water	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble	<input type="checkbox"/> Emulsifiable (or Dispersible)	<input type="checkbox"/> Slight (or Partial)
Evaporation Rate(vs. H2O)	<input type="checkbox"/> Faster <input type="checkbox"/> Slower	<input checked="" type="checkbox"/> About the Same	
Appearance and Odor	Liquid, pleasant odor		
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point( T.C.C. )	°F. <input checked="" type="checkbox"/> None to Boiling	Flammable Limits	Upper Unknown Lower Unknown
Extinguishing Media	CO2, dry chemical, foam, water spray.		
Special Firefighting Procedures	Do not enter confined fire-spaces without protective clothing and self-contained air supply.		
Unusual Fire and Explosion Hazards	None known.		
SECTION 5 - REACTIVITY DATA			
Stability	Stable	Incompatibility	Strong oxidizers
Hazardous Decomposition Products	Carbon monoxide and other unidentified organic gases may occur during incomplete combustion.		
SECTION 6 - HEALTH HAZARDS			
Primary Routes of Exposure	<input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral	<input type="checkbox"/> Inhalation	<input type="checkbox"/> Other
Signs and Symptoms of Overexposure (Acute)	Eyes: Redness,severe eye damage. Skin: Burns. Swallowing: probable mucosal damage, possible respiratory depression, possible convulsions.		
Signs and Symptoms of Overexposure(Chronic)	None known		
Medical Conditions Aggravated by Overexposure	None known	Carcinogen/Suspect Carcinogen Ingredients	<input type="checkbox"/> NTP <input type="checkbox"/> OSHA <input type="checkbox"/> IARC <input checked="" type="checkbox"/> NONE
SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES			
Eyes	Flush immediately with water for at least 15 minutes.Call a physician.		
Skin	Flush immediately with water for at least 15 minutes. Remove and wash all contaminated clothing before reuse. Call a physician.		
Ingestion	Drink milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician.		
Inhalation	N/A		
SECTION 8 - SPECIAL PROTECTION INFORMATION			
Respiratory Protection	Not needed under normal conditions of use.		
Ventilation Requirements	<input type="checkbox"/> Local Exhaust <input checked="" type="checkbox"/> Mechanical	<input type="checkbox"/> Other	
Protective Gloves	Rubber	Eye Protection	Safety glasses/goggles
Other Protective Clothing May be needed if splashing or spray drift occurs.			
SECTION 9 - SPILL OR LEAK PROCEDURES			
Steps to be Taken if Released or Spilled	Absorb with suitable absorbent. For large spills,absorb with suitable absorbent, then shovel into containers.		
Waste Disposal Methods	Dispose of in accordance with applicable Federal, State and Local ordinances.		
SECTION 10 - STORAGE AND HANDLING INFORMATION			
Precautions to be Taken in Handling and Storage	Do not contaminate food or water by storage or disposal. Triple rinse(or equivalent) empty container before disposal. Do not get in eyes on skin or clothing.		

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form(as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure to the product,if diluted, under conditions of ordinary use.