MATERIAL SAFETY DATA SHEET (Prepared According to 29 CFR 1910.1200)

SECTION 1 - PRODUCT IDENTIFIC					
Distributor Clausen Carpet Solution			Emergency Phone	800-444-8900	
Address P.O. Box 37 Folcroft, PA 19032 Trade Name FOUR WAY CARPET CLEANER Product Type Carpet Traffic Lane and Roppet Cleaner					
7 Carpet Name Land and Bonnet Global					
SECTION 2 - HAZARDOUS INGRE	<u>DIENTS</u>	T	T		
CHEMICAL NAME/COMM	ION NAME	CAS NO.	PERCENT(optional)		TLV(Source)
Dipropylene Glycol Methyl Ether		34590-94-8		100 ppm(skin) TWA(OSHA); 100 ppm(ACGIH)	
Nonylphenolpolyethoxyethanol		9016-45-9		Not Established	
d-Limonene		5989-27-5		Not Established	
Tetrasodium Ethylenediamine Tetraacetate		64-02-8		Not Established	
Other ingredients in this product are :	Less than 1% by weight or	less than 0.1% for car	rcinogens X	lot hazardous	X Declared to be Trade Secret
SECTION 3 - PHYSICAL DATA					
Boiling point(°F.) Near 212	Specific Gravity(H20=1.0)	(± 0.005) 1.0		(± 0.5) 9.0	
Vapor Pressure(mm Hg)	Unknown	Vapor Density(Ai	r=1)		Unknown
Solubility in water X Complete	Insoluble	Emulsifiable (or [Dispersible)	Slight (or Partia	al)
Evaporation Rate(vs. H20)	Faster	Slower	X Abou	t the Same	
Appearance and Odor Water clear liquic	d,mild citrus odor				
SECTION 4 - FIRE AND EXPLOSI	ON HAZARD DATA				
Flash Point(T.C.C.) °F. X None to Boiling Flammable Limits Upper Unknown Lower Unknown					
Extinguishing Media CO2, dry chemical, foam, water spray.					
Special Firefighting Procedures Do not	t enter confined fire-spaces without	protective clothing an	d self-contained air supply	1.	
Unusual Fire and Explosion Hazards $N_{\rm C}$	one known.				
SECTION 5 - REACTIVITY DATA					
Ctability					
Stable	Incompatibility Strong	oxidizers			
- Stabic	Carbon monoxide and other unidentif		y occur during incomplete	combustion.	
- Stabic	, Strong		y occur during incomplete	combustion.	
Hazardous Decomposition Products SECTION 6 - HEALTH HAZARDS Primary Routes of Exposure	, Strong			combustion.	Other
Hazardous Decomposition Products SECTION 6 - HEALTH HAZARDS Primary Routes of Exposure Signs Prolonged contact of cond	Carbon monoxide and other unidentil	fied organic gases ma	In	halation	
Hazardous Decomposition Products SECTION 6 - HEALTH HAZARDS Primary Routes of Exposure Signs Prolonged contact of condand Symptoms X	Carbon monoxide and other unidentif	fied organic gases ma	In	halation	
Hazardous Decomposition Products SECTION 6 - HEALTH HAZARDS Primary Routes of Exposure Signs Prolonged contact of condarrhea may occur. of Overexposure	Carbon monoxide and other unidentif	fied organic gases ma	In	halation	
Hazardous Decomposition Products SECTION 6 - HEALTH HAZARDS Primary Routes of Exposure Signs Prolonged contact of condarrhea may occur. of Overexposure (Acute)	Carbon monoxide and other unidentif	fied organic gases ma	In	halation	
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Hazardous Decomposition Products SECTION 6 - HEALTH HAZARDS Primary Routes of Exposure Signs Archive Prolonged contact of condaddiarrhea may occur. of Overexposure (Acute) Signs and Symptoms of Overexposure(C Medical Conditions Aggravated by Overexposure None known	Carbon monoxide and other unidentification in the carbon monoxide and other unidentification in	fied organic gases ma	In	halation nouth, throat or sto	
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Hazardous Decomposition Products SECTION 6 - HEALTH HAZARDS Primary Routes of Exposure Signs Archive Prolonged contact of condad Symptoms diarrhea may occur. of Overexposure (Acute) Signs and Symptoms of Overexposure(C Medical Conditions Aggravated by Overexposure SECTION 7 - EMERGENCY AND F Eyes Flush immediately with water fo	Carbon monoxide and other unidentification in the contract of	fied organic gases ma	In . Swallowing may irritate in . Swallowing may irritate in	halation nouth, throat or sto	mach. Possible vomiting or
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Hazardous Decomposition Products SECTION 6 - HEALTH HAZARDS Primary Routes of Exposure Signs Archive diarrhea may occur. of Overexposure (Acute) Signs and Symptoms of Overexposure(C Medical Conditions Aggravated by Overexposure SECTION 7 - EMERGENCY AND F Eyes Flush immediately with water fo Skin Wash thoroughly with soap and Ingestion Drink large quantities of milk or Inhalation N/A	Carbon monoxide and other unidentification in the contract of	fied organic gases ma	In . Swallowing may irritate in . Swallowing may irritate in	halation nouth, throat or sto	mach. Possible vomiting or
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Hazardous Decomposition Products SECTION 6 - HEALTH HAZARDS Primary Routes of Exposure Signs Prolonged contact of conditions Aggravated by Overexposure Wedical Conditions Aggravated by Overexposure Flush immediately with water for Skin Wash thoroughly with soap and Ingestion Inhalation N/A SECTION 8 - SPECIAL PROTECTION Respiratory Protection Nor reducts (Conditions Aggravated by Overexposure Principles Aggravated By Overexposure Princip	Eye X Skin centrated product with skin and/or ey hronic) None known IRST AID PROCEDURES r at least 15 minutes. If persistent irr d water. water. Call a physician. ON INFORMATION der normal conditions of use.	itation occurs, call a p	In . Swallowing may irritate in . Swallowing may irritate in	halation nouth, throat or sto	mach. Possible vomiting or
Hazardous Decomposition Products SECTION 6 - HEALTH HAZARDS Primary Routes of Exposure Signs Archive Medical Conditions Aggravated by Overexposure SECTION 7 - EMERGENCY AND F Eyes Flush immediately with water for Skin Wash thoroughly with soap and Ingestion Drink large quantities of milk or Inhalation N/A SECTION 8 - SPECIAL PROTECTION Respiratory Protection Not needed und Ventilation Requirements Control	Carbon monoxide and other unidentification in the contract of	itation occurs, call a p	In . Swallowing may irritate in . Swallowing may irritate in	halation nouth, throat or sto	Mach. Possible vomiting or NTP □ OSHA □ IARC NONE
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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. DATE PREPARED August 3, 1999

28-281A