

SECTION 1 - Identity	
Product Name: STANOGEN	Manufacturer: The Contenti Company
Generic Name:	Address: 515 Narragansett Park Drive Pawtucket, RI 02861
Chemical Family: N/A - mixture	Manufacturer Phone #: 401-305-3000
Use: General Purpose top Flux	Spill, Leak, Fire, Exposure, Accident: Chemtrec 800-424-9300

SECTION 2 - Ingredient Information					
Chemical Name	Wt. %	OSHA PEL	ACGIH	Other	CAS No.
AMMONIUM CHLORIDE	N/D	10 mc/m ³	N/A	N/A	12125-02-9
IRON OXIDE	N/D	10 mc/m ³	N/A	N/A	1309-37-1
Others, if any, are non-hazardous and are Claimed as trade secret.					
Hazard Rating: NFPA: (H=1, F=0, R=0)					
HMIS: (H=1, F=0, R=0, PE=C)					

SECTION 3 – Physical Characteristics	
Boiling Point:	N/A
Vapor Pressure: (mm Hg)	N/A
Vapor Density: (air = 1)	N/A
Specific Gravity:	N/A
Melting Point:	N/A
Evaporation Rate:	N/A
Solubility in Water:	MODERATE
Appearance & Odor	RED POWDER WITH NO ODOR

SECTION 4 – Fire & Explosive Hazard Data	
Flash Point: (method used)	N/A
Upper Explosion Limit:	N/A
Lower Explosion Limit:	N/A
Extinguishing Media:	Does not support Combustion. Be Aware of other materials in surrounding area to determine if WATER, FOG, FOAM OR CO2 MAY BE USED.
Special Firefighting Procedures:	FUMES OF HYDROCHLORIC ACID AND AMMONIA MAY BE GIVEN OFF. USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire & Explosion Hazards:	NONE

SECTION 5 – Reactivity Data	
Stability considerations / Conditions to avoid:	STABLE / None
Incompatibility (materials to avoid)	ALKALIES - AMMONIA / ACIDS - HYDROGEN CHLORIDE IS RELEASED.
Hazardous combustion or Decomposition Products:	AMMONIUM CHLORIDE DECOMPOSES AT 340° C (645° F) AND PRODUCES AMMONIA AND HYDROGEN CHLORIDE GASSES.
Hazardous Polymerization/ conditions to avoid:	WILL NOT OCCUR/None

SECTION 6 – Health Hazard Data			
CARCINOGENICITY	NPT:	IARC MONOGRAPHS:	OSHA REGULATED:
EFFECTS OF OVEREXPOSURE		FIRST AID PROCEDURES	
Skin:	MAY CAUSE IRRITATION, EXPECIALLY UNDER PROLONGED CONTACT	Skin:	WASH HANDS WITH SOAP AND WATER TO REMOVE ALL RESIDUE
Eyes:	MILD IRRITATION TO EYE SURFACES. EXISTING EYE DISORDERS MAY BE AGGRAVATED.	Eyes:	FLUSH WITH WATER FOR AT LEAST 15 MINUTES TO REMOVE ALL RESIDUE. PROMPTLY GET MEDICAL HELP.
Inhalation:	IRRITANT TO RESPIRATORY SYSTEM	Inhalation:	REMOVE TO FRESH AIR. CONSULT PHYSICIAN IF DISCOMFORT CONTINUES.
Ingestion:	ALTHOUGH LOW IN TOXICITY, INGESTION CAN BE HARMFUL. MAY IRRITATE MOUTH, ESOPHOGUS, STOMACH, ETC	Ingestion:	DRINK LARGE AMOUNT OF WATER TO DILUTE MATERIAL

SECTION 7 – Precautions for Safe Handling & Use	
In Case of Release or	CONTAIN SPILL, ABSORB, SWEEP-UP. FLUSH AREA TO CHEMICAL SEWER.

176-081, 082

Spill:	
Waste Disposal Method:	DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS
Handling & Storage:	STORE AT AMBIENT CONDITIONS, KEEP UNDER EXPREMELY DRY AND CONTROLLED CONDITIONS. WASH THOROUGHLY AFTER HANDLING TO REMOVE ALL RESIDUE.
Other Precautions:	REMOVE AND PROFESSIONALLY WASH CONTAMINATED CLOTHING BEFORE RE-USE.

SECTION 8 – Control Measures

Respiratory Protection:	IF THE WORK STATION IS NOT PROPERLY VENTILATED TO EXHAUST ALL FUMES AND DISTS, USE A NIOSH APPROVED MASK.	Eye Protection:	CHEMICAL TIGHT SAFETY GOGGLES. DO NOT WEAR CONTACT LENSES.
Ventilation Requirements:	MAINTAIN AIR FLOW AWAY FROM USER TO REMOVE ALL FUMES AND DUSTS, SO THAT THE PEL IS NEVER EXCEEDED. ADHERE TO ENVIRONMENTAL REGULATIONS FOR EXHAUSTS.	Other Protections:	FULL PROTECTIVE EQUIPMENT NORMALLY USED IN A SOLDERING OPERATION SO AS TO PREVENT ANY CONTACT. REVIEW OPERATIONS TO AVOID CONTACT WITH HAZARDOUS GAS, LIQUIDS OR SOLIDS. See also: 29 CFR 1901.132 - 29 CFR 1910.140 Personal Protective Equipment. 29 CFR 1910.251 - 29 CFR 1910.257 Welding, Cutting and Brazing.
Protective Gloves:	CHEMICAL AND ACID IMPERVIOUS		

SECTION 9 – Additional Information

Department of Transportation:	Not a regulated product		
Proper shipping Name:	None		
(HM-126C):	N/A		
Hazard Class:	N/A		
ID and Packing Group Number:	N/A		
ERG Guide Number:	N/A		
Toxic Substance Control Act:	All components of this compound are listed within the TSCA Inventory.		
SARA Title III Program:	Ammonium Chloride is in the Hazardous Substance list of SARA Title III.		
SARA Title III Program:	This product contains the following toxic chemicals subject to the reporting requirements of EPCRA of 1986 and 40 CFR 372. This information must be included in all MSDS that are copied and distributed for this material.		
	<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration</u>
	Ammonium Chloride	12125-02-9	N/A
Hazard Communication Program:	Hazard warnings and training requirements as mandated for contact irritants.		
State Right-to-Know programs:			
Pennsylvania:	This product contains the following chemicals listed in PA Code Title 34, Hazardous Substance List: Ammonium Chloride		
California:	This product contains the following compounds subject to the reporting and labeling requirements of Proposition 65: None		
Miscellaneous:	This product contains the following marine pollutants listed under 49 CFR 172.101 Appendix B: None		
Notes:	NA = Not applicable	NE = Not Established	H = Health F = Fire R = Reactivity PE = Personal Equipment

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product.

