Material Safety Data Sheet

MSDS No. 0113 Rev. 6

0909, 0912 Triple Expanding Foam & 0913, 0920 Minimal Expanding Foam

Emergency Phone No. 800-535-5053 - INFOTRAC

			800- 5	35-5053 - 11	NEUTRAC			
	SECTION 1 – PRODUCT NAME & MANUFACTURER	INFORM	ATION					
PRODUCT NAME	Foam & Fill Minimal & Triple Expanding Polyurethane Foams –	Aerosol Car	าร					
MANUFACTURER'S N TELEPHONE NUMBE	Red Devil, Inc.							
STREET ADDRESS	4175 Webb Street							
CITY / STATE / ZIP								
SECTIO	ON 2 – COMPOSITION / HAZARDOUS INGREDIENTS	%	LD50	LC50	UNITS			
PRODUCT CONSISTS	OF:							
Liquefied F	10 to 30	NA	NA					
4,4 – Diphenylmethane Diisocyanate (MDI) (101-68-8)			NA	NA				
Higher Olig	5 to 10	NA	NA					
Urethane P	60 to 100	NA	NA					
Non-hazard	60 to 100	NA	NA					
Communica	ngredients are not considered hazardous under the OSHA Hazard ation Standard (29 CFR 1910.1200). VOC: < 20%/wt. CARB Compliance: Exempt. Prop 65 Ingredients: None.							
_	SECTION 3 – HAZARDS IDENTIFICATION	ON		_				
PRIMARY ROUTE(S) OF ENTRY	Skin Contact Skin Absorption Eye Contact		tion	∑ Inge	estion			
Physical Hazards: Danger! Extremely flammable. Foam has strong adhesive-like characteristics & will adhere aggressively to skin & other surfaces. Primary adverse health effects are related to Polymeric Isocyanate (MDI) & to a lesser degree, the Liquefied Petroleum Gas.								
EFFECTS OF OVEREXPOSURE	FFECTS OF Inhalation: May irritate mucous membranes. Extensive overexposure can lead to respiratory symptoms such as pulmonary							
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE								
	SECTION 4 – FIRST AID MEASURES							
Use rag to remove excess foam. Remove contaminated clothing. Use of a solvent such as Acetone or Mineral Spirits may help remove uncured foam from clothing & other surfaces (avoid eye contact). Cured foam may be physically removed by persistent washing w/ soap & water. If irritation develops, use mild skin cream. If irritation persists, seek medical attention.								
EYE CONTACT								
INHALATION	If breathing difficulty experienced, move to fresh air. If necessary, provide oxygen or artificial respiration by trained personnel & seek medical attention.							
INGESTION Drink 1 to 3 glasses of water & seek medical attention. Never give anything orally to an unconscious person.								

SECTION 5 – FIRE FIGHTING MEASURES						
FLAMMABLE Yes No						
EXTINGUISHING MEDIA Dry chemical, carbon dioxide, Halon 1211, chemical foam or water spray. Water contamination will produce carbon dioxide.						
FLASHPOINT (°F) & METHOD	- 156F, estimated based on liquefied petroleum gas	UPPER EXPLOSIV (% BY VOLUME)	TE LIMIT NE			
LOWER EXPLOSIVE LIMIT	NE	AUTOIGNITION NE				
UNUSUAL FIRE & EXPLOSION HAZARDS High temperature will raise pressure in containers, which may lead to rupturing. Contents could be sensitive to mechanical impact or static discharge. Vapors released during & immediately after dispensing may ignite explosively if proper ventilation is not employed.						
Cured foam is organic & therefore will burn in the presence of sufficient heat, oxygen & an ignition source. Hazards associated w/ burning foam are similar to burning of other organic materials (wood, paper, cotton, etc) & precautions against exposure should be taken accordingly.						
	SECTION 6 - ACCIDENT	TAL RELEA	SE MEASURES			
PROCEDURES PPE should include impervious gloves, protective eye wear & suitable protective clothing. Uncured foam is very sticky; carefully remove by scraping up, then immediately remove residue w/ a rag & solvent such as polyurethane cleaner, mineral spirits or acetone (nail polish remover). Once cured, product can only be removed physically by scraping, buffing, etc.						
SECTION 7 - HANDLING & STORAGE						
HANDLING PROCEDURES & Protect containers from physical abuse.						
Storage REQUIREMENTS Storage below 55F may affect foam quality if not warmed before using. Protect from freezin						
SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION						
	SECTION 8 – EXPOSURE CONT	TROL / PERS	SONAL PROTECTION			
			SONAL PROTECTION uidelines, use NIOSH approved positive pressure			
suppli	le adequate ventilation. If vapor levels are expe					
supplice Supplier Sup	le adequate ventilation. If vapor levels are expe ed air respirator.					
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SECTION 11 - TOXICOLOGICAL INFORMATION / CARCINOGENICITY								
ACGIH Not listed as a carcinogen.								
OSHA Not listed as a carcinogen.								
IARC	Not listed as a carcinogen.							
NTP	Not listed as a carcinogen.							
DATA WITH POSSIBI RELEVANCE TO HUM								
SECTION 12 – ECOLOGICAL INFORMATION								
AQUATIC TOXICITY	AQUATIC TOXICITY NE							
	SECTION 13 – DISPOSAL CONSIDERATIONS							
WASTE DISPOSAL EPA WASTE CODE IF DISCARDED (40CFR Sec.261) Dispose of plastic waste (foam plastic) in accordance w/ Local, State & Federal requirements. Before disposing. Never discar liquid state.								
	SECTION 14 – TRANSPORT INFORMATION							
SPECIAL SHIPPING INFORMATION								
SECTION 15 – REGULATORY INFORMATION								
CERCLA – SARA HAZARD CATEGORY	SARA Title III: Diphenylmethane Diisocyanate (101-68-8)	U.S. STATE REGS	See Section 16.					
SARA 313	NE	TSCA & DSL	All ingredients listed on TSCA Inventory as well as Canadian Domestic Substances List.					

SECTION 16 - OTHER INFORMATION / SPECIAL PRECAUTIONS / LEGEND

NFPA: Fire: 2, Health: 2, Reactivity: 1. HMIS: Flammability: 2, Health: 2, Reactivity: 1. Product is a liquid urethane prepolymer mixture that is packaged under pressure (Flammable Compressed Gas). Containers should not be heated above 120F, to avoid excessive pressure build-up. None of the compounds in this product are listed by IARC, NTP, OSHA or ACGIH as a carcinogen. Prop. 65: Based on information currently available, product is not known to contain detectable amounts of any chemicals currently listed under California Proposition 65. ECCN Number: EAR99. INTERNATIONAL EMERGENCY NUMBER: 352-323-3500 - INFOTRAC

<u>LEGEND</u>: NA – Not Applicable, NE – Not Established, UN – Unavailable, VOC – Volatile Organic Compound, PEL – Permissible Exposure Limit, TLV – Threshold Limit Value, STEL – Short Term Exposure Limit, MSDS – Material Safety Data Sheet, ACGIH – American Conference of Governmental Industrial Hygienists, SARA – Superfund Amendments & Reauthorization Act of 1986, OSHA – Occupational Safety & Health Administration, HMIS – Hazardous Materials Identification System, NTP – National Toxicology Program, CEIL – Ceiling Exposure Limit, CASRN (CAS Number) – Chemical Abstracts Service Registry Number, TSCA – Toxic Substances Control Act, ECCN Number – Export Control Classification Number.

Reviewed By Larry Brandon VP Technology & GM March 13, 2012

NAME TITLE DATE

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