



Material Safety Data Sheet

May be used to comply with OSHA's
Hazard Communication Standard

HMIS SYMBOL

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0

HMIS

SEVERE	4	EXTREME
SERIOUS	3	HIGH
MODERATE	2	MODERATE
SLIGHT	1	SLIGHT
MINIMAL	0	INSIGNIFICANT

NFPA

NFPA SYMBOL

TOXICITY	2	3	FIRE
SPECIAL		0	REACTIVITY

Product: **MARC 154 PRO-GUARD PLUS**

Section I - GENERAL INFORMATION

Company	Mid-American Research Chemical Corp.	Telephone No.	(402)564-7104	Fax No.	(402)563-1290
Address	P O Box 927 Columbus NE 68602-0927	Date	09/15/11	Formula	Trade Secret

Info Trac 24 Hour Emergency Telephone No. 1-800-535-5053

Section II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Component	CAS Number	Exposure TLV (Units)	%(Optional)
Hexane	110-54-3	50ppm	
Hydrotreated Petroleum Distillate	64742-47-8	Not Established	
Propane/Butane/Isobutane Blend	68476-86-8	1000ppm	
Silicone	63148-62-9	Not available	
Resin	26813-14-9	Not Established	

Section III - PHYSICAL/CHEMICAL CHARACTERISTICS

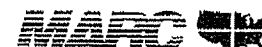
Boiling Point (° F.)	<0 to 610°F	Specific Gravity (H ₂ O=1)	0.73 + 0.05
Vapor Pressure (mm Hg)	N/A	Melting Point (° F.)	N/A
Vapor Density (Air=1)	Heavier than air	Evaporation Rate (Butyl Acetate=1)	Slower than Ether
Solubility in Water	Nil.		
Appearance and Odor	Clear liquid, cherry fragrance.		

Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (° F.) (Method Used)	<0°F
Extinguishing Media	Use water fog, dry chemical or carbon dioxide.
Special Fire Fighting Procedures	Aerosol cans may rupture when heated.
Unusual Fire and Explosion Hazards	Heated cans may burst.
	N/A = Not Applicable N/D = Not Determined

(Continued on Reverse Side)

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Section V - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	<input checked="" type="checkbox"/>	High temperatures.
Incompatibility (Materials to Avoid)		None known.	
Hazardous Decomposition or Combustion By-Products In fire, will decompose to carbon dioxide, carbon monoxide, silicon dioxide.			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	<input checked="" type="checkbox"/>	

Section VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation <input checked="" type="checkbox"/>	Eyes/Skin <input checked="" type="checkbox"/>	Ingestion <input checked="" type="checkbox"/>
Health Hazards (Acute & Chronic) (SEE SIGNS AND SYMPTOMS BELOW)			
Carcinogenicity:	NTP <input type="checkbox"/>	IARC Monographs <input type="checkbox"/>	OSHA Regulated <input type="checkbox"/>
Signs and Symptoms of Overexposure			
SKIN: Skin irritant. Will cause defatting of skin. Effects are reversible. EYES: Eye irritant. Will cause redness and burning sensation. INHALATION: Effects of overexposure include irritation of respiratory tract, headache, dizziness, nausea, and loss of coordination. Extreme overexposure may result in unconsciousness and possibly death. INGESTION: Aspiration hazard if swallowed.			
Medical Conditions Generally Aggravated by Exposure			
Prolonged and repeated overexposure to hexane may cause damage to nerve tissue of the arms and legs (peripheral neuropathy), resulting in muscular weakness and loss of sensation. Repeated and prolonged overexposure to solvents may cause permanent brain and nervous system damage.			
Emergency and First Aid Procedures			
SKIN: Immediately flush exposed area with water for at least 15 minutes. If irritation persists, get medical attention. Remove contaminated clothing and launder before reuse. EYES: Immediately flush with large quantities of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Seek medical attention. INHALATION: Remove person to fresh air. If irritation persists, give oxygen, get medical attention. INGESTION: DO NOT induce vomiting. Seek medical attention immediately. NOTE: Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet.			

Section VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled
Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.
Waste Disposal Method
Dispose as hazardous waste in accordance with EPA RCRA.
Precautions to be Taken in Handling and Storing
DO NOT TAKE INTERNALLY.
When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.
Other Precautions
KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!
STORE AT TEMPERATURES BELOW 120°F. KEEP CONTAINER CLOSED DURING STORAGE. KEEP FROM HEAT, SPARKS, OR OPEN FLAME.

Section VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)		Self-contained breathing apparatus if above TLV limit. Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.	
Ventilation	Local Exhaust <input checked="" type="checkbox"/>	Mechanical (General)	<input type="checkbox"/>
Other			
Protective Gloves:	None required if spraying.	Eye Protection:	<input checked="" type="checkbox"/> Safety glasses or chemical splash goggles.
Other Protective Clothing or Equipment			
Long sleeves and long pants.			
Work/Hygienic Practices			
Do not smoke while using. Wash hands after use.			

While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.