## **MATERIAL SAFETY DATA SHEET**

## HYDROCOTE Co., Inc. 61 Berry St., Somerset, NJ 08873

Date of Preparation: 2/14/2000 Prepared By: Erick Kasner, PhD SECTION I - PRODUCT IDENTIFICATION PRODUCT NAME: **BRUSH & GUN CLEANER** HMIS RATING SCALE PRODUCT NUMBER: 4 = Extreme 90660, 90661, 90665 Health: 1 PRODUCT USE: Thinner Flammability: 0 3 = HighPRODUCT CLASS: Wood Coating Reactivity: 0 2 = Moderate DOT HAZARD CLASS: None Personal Protection: G 1 = Slight DOT SHIPPING NAME: Paint Related Material 0 = No Effect

Key: NA=Not Applicable; NE=Not Established; ND=Not Determined

A= Goggles; B=Goggles & Rubber Gloves; C= Goggles, Rubber Gloves & Apron G=Rubber Gloves

SECTION II - HAZARDOUS INGREDIENTS										
HAZARDOUS INGREDIENTS		CAS NO	WT %	PEL	TLV	LD50 (oral)	LD50 (skin)			
2-Butoxy Ethanol	Х	111-76-2	45	25	25	50	470			

X = subject to reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization of Act of 1986 CFR, Part 372

Protective Clothing and Equipment: Recommended to prevent skin irritation. Hygene Practices: Wash hands thoroughly after product use.			SEC	TION III -	PHYSICAL DATA					
Viscosity: Water Thin Evaporation Rate: ND Solubility In Water: Complete VOC, Ibs/gal: N/A     Sectrion IV - FIRE AND EXPLOSION HAXARD DATA     Flash Point:   None   Autoignition Temperature:   NA   Special Fire Fighting Procedures:   None     LEL:   None   Extinguishing Media:   Unusual Fire and Explosion HAzards:   None     Chemically Stable:   Yes   Hazardous Decomposition By-Products:   None Known     Incopatible Materials To Avoid:   None Known   Hazardous Polymerization:   Will Not Occur     Section VI - TOXICOLOGICAL PROPERTIES   Routes of Entry:   Ingestion   Toxicologically Synergistic Products:   None Known     Sensitization:   No   Mutagenicity: None   Mutagenicity: None   Mutagenicity: None   Noe Known     EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):   Ingestion:   May cause gastrointestinal irritation, nausea, diarth Inhilation: Prolonged or repeated contact may cause irritation.   Ingestion: May cause gastrointestinal irritation, nausea, diarth Inhilation: Prolonged or repeated contact may cause irritation.   Ventilation: Local Mechanical Exhaust Recommended Eye Protection: Recommended to prevent skin irritation.     Protective Clothing and Equipment:   Recommended to prevent skin irritation.   Ventilation:   Local Mechanical Exhaust Recommended to grewent skin irritat	Color and Odor:	clear, slight odor	Boiling Point:	ND	Vapor Pressure:	ND	pH:	7-8		
SECTION IV - FIRE AND EXPLOSION HAXARD DATA     Flash Point:   None   Autoignition Temperature:   NA   Special Fire Fighting Procedures:   None     LEL:   None   Extinguishing Media:   Unusual Fire and Explosion Hazards:   None     Chemically Stable:   Yes   Hazardous Decomposition By-Products:   None Known     Incopatible Materials To Avoid:   None Known   Hazardous Polymerization:   Will Not Occur     SECTION VI - TOXICOLOGICAL PROPERTIES     Routes of Entry: Ingestion     Section VI - TOXICOLOGICAL PROPERTIES     Routes of Entry: Ingestion     Section VI - TOXICOLOGICAL PROPERTIES     Routes of Entry: Ingestion     Section VI - TOXICOLOGICAL PROPERTIES     Routes of Entry: Ingestion     Carcinogenicity: None     Toxicologically Synergistic Products: None Known     Section VI - TOXICOLOGICAL PROPERTIES     Colspan="2">Routes of Entry: Ingestion: No     Section VI - Toxicologically Synergistic Products: None Known     Section VI - Toxicologically Synergistic Products: None Known <td <="" colspan="2" td=""><td>Physical State:</td><td>Liquid</td><td>Freezing Point:</td><td>ND</td><td>Vapor Density:</td><td>ND</td><td>Specifig Gravity:</td><td>1</td></td>	<td>Physical State:</td> <td>Liquid</td> <td>Freezing Point:</td> <td>ND</td> <td>Vapor Density:</td> <td>ND</td> <td>Specifig Gravity:</td> <td>1</td>		Physical State:	Liquid	Freezing Point:	ND	Vapor Density:	ND	Specifig Gravity:	1
Letter None Autoignition Temperature: NA Special Fire Fighting Procedures: None   Flash Point: None Extinguishing Media: Unusual Fire and Explosion Hazards: None   Lett: None SECTION V - REACTIVITY DATA Sectial Fire Fighting Procedures: None   Chemically Stable: Yes Hazardous Decomposition By-Products: None Known   Incopatible Materials To Avoid: None Known Hazardous Polymerization: Will Not Occur   SECTION VI - TOXICOLOGICAL PROPERTIES   Routes of Entry: Ingestion Toxicologically Synergistic Products: None Known   Sensitization: No Mutagenicity: None Reproductive Toxicity: None   EFFECTS OF OVEREXPOSURE (Acute and/or Chronic): Eyes: Direct contact may cause irritation Ingestion: May cause gastrointestinal irritation, nausea, diarth Inhilation:   Stin: Prolonged or repeated contact may cause irritation. Section VII - PREVENTIVE AND CONTROL MEASURES   Respiratory Protection: None normally required with adequate ventilation. Ventilation: Local Mechanical Exhaust Recommended Eye Protection: Recommended to prevent skin irritation.   Protective Clothing and Equipment: Recommended to p	Viscosity:	Water Thin	Evaporation Rate:	ND	Solubility In Water:	Complete	VOC, lbs/gal:	N/A		
LEL: None Extinguishing Media: Unusual Fire and Explosion Hazards: None   SECTION V - REACTIVITY DATA   Chemically Stable: Yes Hazardous Decomposition By-Products: None Known   Incopatible Materials To Avoid: None Known Hazardous Decomposition By-Products: None Known   SECTION VI - TOXICOLOGICAL PROPERTIES   Toxicologically Synergistic Products: None Known   Section VI - TOXICOLOGICAL PROPERTIES   Routes of Entry: Ingestion   Toxicologically Synergistic Products: None Known   Medical Conditions Aggrevated by Exposure: None Known   Carcinogenicity: None Toxicologically Synergistic Products: None Known   Section VI - TOXICOLOGICAL PROPERTIES   EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):   Eyes: Direct contact may cause irritation   Ingestion: May cause gastrointestinal irritation, nausea, diarrh   Inhilation: Prolonged or repeated contact may cause irritation.   Ventilation:   Ventilation: Local Mechanical Exhaust Recommended   Protective Clotining and Equipment: Recommended to prevent skin irrit			SECTION IV - F	FIRE AND	EXPLOSION HAXARD	DATA				
SECTION V - REACTIVITY DATA     Chemically Stable:   Yes   Hazardous Decomposition By-Products:   None Known     Incopatible Materials To Avoid:   None Known   Hazardous Polymerization:   Will Not Occur     SECTION VI - TOXICOLOGICAL PROPERTIES     Routes of Entry:   Ingestion   Toxicologically Synergistic Products:   None Known     Sensitization:   No   Medical Conditions Aggrevated by Exposure:   None Known     Sensitization:   No   Medical Conditions Aggrevated by Exposure:   None Known     Carcinogenicity:   None   Teratogenicity:   None   Mutagenicity:   None     EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):   Eyes: Direct contact may cause irritation   Ingestion:   May cause gastrointestinal irritation, nausea, diarh     skin:   Prolonged or repeated contact may cause irritation.   Ingestion:   May cause gastrointestinal irritation, nausea, diarh     Protective Gloves:   Rubber type to protect sensitive skin.   Protective AND CONTROL MEASURES   Ventilation:     Protective Clothing and Equipment:   Recommended to prevent skin irritation.   Eye Protection:   Keep orduct use.     Protective Clothing and Equipment:	Flash Point:	nt: None Autoignition Temp		NA	Special Fire Fighting	Special Fire Fighting Procedures:		None		
L   Yes   Hazardous Decomposition By-Products: None Known     Incopatible Materials To Avoid:   None Known   Hazardous Polymerization:   Will Not Occur     SECTION VI - TOXICOLOGICAL PROPERTIES     Routes of Entry: Ingestion   Toxicologically Synergistic Products: None Known     Sensitization: No   Medical Conditions Aggrevated by Exposure: None Known     Carcinogenicity: None   Teratogenicity: None   Mutagenicity: None     EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):   Ingestion: May cause gastrointestinal irritation, nausea, diarth Inhilation: Prolonged or repeated contact may cause irritation.   Ingestion: May cause gastrointestinal irritation, nausea, diarth Inhilation: Prolonged exposure in poorly ventilated area may cause respiratory irritation.     Protective Glores: Rubber type to protect sensitive skin.   SECTION VII - PREVENTIVE AND CONTROL MEASURES     Protective Clothing and Equipment: Recommended to prevent skin irritation.   Eye Protection: Recommended to prevent skin irritation.     Protective Clothing and Equipment: Recommended to prevent skin irritation.   Hazardous Decomposition By-Product use.     Hygene Practices: Wash hands thoroughly after product use.   Keep out of reach of children	LEL:	None	Extinguishing Media:		Unusual Fire and Exp	olosion Hazards:	None			
Incopatible Materials To Avoid: None Known Hazardous Polymerization: Will Not Occur   SECTION VI - TOXICOLOGICAL PROPERTIES   Routes of Entry: Ingestion Toxicologically Synergistic Products: None Known   Sensitization: None Teratogenicity: None Medical Conditions Aggrevated by Exposure: None Known   Carcinogenicity: None Teratogenicity: None Mutagenicity: None Reproductive Toxicity: None   EFFECTS OF OVEREXPOSURE (Acute and/or Chronic): Eyes: Direct contact may cause irritation Ingestion: May cause gastrointestinal irritation, nausea, diarrh   Skin: Prolonged or repeated contact may cause irritation. Ingestion: May cause gastrointestinal irritation, nausea, diarrh   Inhilation: Prolonged or repeated contact may cause irritation. Inhilation: Prolonged exposure in poorly ventilated area may cause respiratory irritation.   Protective Gloves: Rubber type to protect sensitive skin. Protection: None Medical Conditions: Local Mechanical Exhaust Recommended   Protective Clothing and Equipment: Recommended to prevent skin irritation. Protection: Recommended to prevent skin irritation.   Protective Clothing and Equipment: Recommended t			SECT	ION V - F	REACTIVITY DATA					
SECTION VI - TOXICOLOGICAL PROPERTIES   Routes of Entry: Ingestion   Sensitization: No   Carcinogenicity: None   Teratogenicity: None   EFFECTS OF OVEREXPOSURE (Acute and/or Chronic): Ingestion:   Eyes: Direct contact may cause irritation   Skin: Prolonged or repeated contact may cause irritation.   SECTION VII - PREVENTIVE AND CONTROL MEASURES   Respiratory Protection: None normally required with adequate ventilation.   Protective Gloves: Rubber type to protect sensitive skin.   Protective Clothing and Equipment: Recommended to prevent skin irritation.   Protective Clothing and Equipment: Recommended to prevent skin irritation.	Chemically Stable: Yes		Yes	Hazardou	s Decomposition By-Product	composition By-Products: None Known				
Routes of Entry: Ingestion   Sensitization: No   Carcinogenicity: None   Teratogenicity: None   Teratogenicity: None   EFFECTS OF OVEREXPOSURE (Acute and/or Chronic): Mutagenicity:   Eyes: Direct contact may cause irritation   Skin: Prolonged or repeated contact may cause irritation.   SECTION VII - PREVENTIVE AND CONTROL MEASURES   Respiratory Protection: None normally required with adequate ventilation.   Protective Clothing and Equipment: Recommended to prevent skin irritation.   Protective Clothing and Equipment: Recommended to prevent skin irritation.	Incopatible Mater	ncopatible Materials To Avoid: None Known		Hazardou	s Polymerization:	Will Not Occur				
Sensitization: No Medical Conditions Aggrevated by Exposure: None Known   Carcinogenicity: None Teratogenicity: None Mutagenicity: None Reproductive Toxicity: None   EFFECTS OF OVEREXPOSURE (Acute and/or Chronic): Eyes: Direct contact may cause irritation Ingestion: May cause gastrointestinal irritation, nausea, diarrh   Skin: Prolonged or repeated contact may cause irritation. Ingestion: May cause gastrointestinal irritation, nausea, diarrh   Section VII - PREVENTIVE AND CONTROL MEASURES Eves: Rubber type to protect sensitive skin. Ventilation: Local Mechanical Exhaust Recommended   Protective Clothing and Equipment: Recommended to prevent skin irritation. Ventilation: May cause to protect use. Keep out of reach of children			SECTION VI	- TOXIC	OLOGICAL PROPERTI	ES				
Sensitization: No Medical Conditions Aggrevated by Exposure: None Known   Carcinogenicity: None Teratogenicity: None Mutagenicity: None Reproductive Toxicity: None   EFFECTS OF OVEREXPOSURE (Acute and/or Chronic): Eyes: Direct contact may cause irritation Ingestion: May cause gastrointestinal irritation, nausea, diarrh   Skin: Prolonged or repeated contact may cause irritation. Ingestion: May cause gastrointestinal irritation, nausea, diarrh   Section VII - PREVENTIVE AND CONTROL MEASURES Eves: Rubber type to protect sensitive skin. Ventilation: Local Mechanical Exhaust Recommended   Protective Clothing and Equipment: Recommended to prevent skin irritation. Ventilation: May cause to protect use. Keep out of reach of children										
Carcinogenicity: None Teratogenicity: None Mutagenicity: None Reproductive Toxicity: None   EFFECTS OF OVEREXPOSURE (Acute and/or Chronic): Lyges: Direct contact may cause irritation Ingestion: May cause gastrointestinal irritation, nausea, diarrh   Skin: Prolonged or repeated contact may cause irritation. Ingestion: May cause gastrointestinal irritation, nausea, diarrh   Section VII - PREVENTIVE AND CONTROL MEASURES Ventilation: Prolonged exposure in poorly ventilated area may cause respiratory irritation.   Protective Gloves: Rubber type to protect sensitive skin. Ventilation: Local Mechanical Exhaust Recommended to prevent splashing into eyes.   Protective Clothing and Equipment: Recommended to prevent skin irritation. Wayene Practices: Wash hands thoroughly after product use.   Protective Clothing and Equipment: Recommended to prevent skin irritation. Hygene Practices: Wash hands thoroughly after product use.   Hygene Practices: Wash hands thoroughly after product use. Keep out of reach of children					0 , ,	0 , , 0				
EFFECTS OF OVEREXPOSURE (Acute and/or Chronic): Ingestion: May cause gastrointestinal irritation, nausea, diarrh   Skin: Prolonged or repeated contact may cause irritation. Ingestion: May cause gastrointestinal irritation, nausea, diarrh   Stin: Prolonged or repeated contact may cause irritation. Inhilation: Prolonged exposure in poorly ventilated area may cause respiratory irritation.   SECTION VII - PREVENTIVE AND CONTROL MEASURES Ventilation: Local Mechanical Exhaust Recommended   Respiratory Protection: None normally required with adequate ventilation. Ventilation: Local Mechanical Exhaust Recommended   Protective Gloves: Rubber type to protect sensitive skin. Protective Clothing and Equipment: Recommended to prevent skin irritation. Ventilation: Local Mechanical Exhaust Recommended   Protective Clothing and Equipment: Recommended to prevent skin irritation. Hygene Practices: Wash hands thoroughly after product use.   Hygene Practices: Wash hands thoroughly after product use. Keep out of reach of children										
Eyes: Direct contact may cause irritation Ingestion: May cause gastrointestinal irritation, nausea, diarth   Skin: Prolonged or repeated contact may cause irritation. Indestion: Prolonged exposure in poorly ventilated area may cause respiratory irritation.   SECTION VII - PREVENTIVE AND CONTROL MEASURES Ventilation: Local Mechanical Exhaust Recommended   Protective Gloves: Rubber type to protect sensitive skin. Ventilation: Local Mechanical Exhaust Recommended   Protective Clothing and Equipment: Recommended to prevent skin irritation. Hygene Practices: Wash hands thoroughly after product use.   Hygene Practices: Wash hands thoroughly after product use. Keep out of reach of children	Carcinogenicity: None Teratogenicity: None			Mutagenicity: None		Reproductive Toxi	city: None			
Skin: Prolonged or repeated contact may cause irritation. Inhilation: Prolonged exposure in poorly ventilated area may cause respiratory irritation.   SECTION VII - PREVENTIVE AND CONTROL MEASURES   Respiratory Protection: None normally required with adequate ventilation. Ventilation: Local Mechanical Exhaust Recommended   Protective Gloves: Rubber type to protect sensitive skin. Ventilation: Local Mechanical Exhaust Recommended   Protective Clothing and Equipment: Recommended to prevent skin irritation. Hygene Practices: Wash hands thoroughly after product use.   Hygene Practices: Wash hands thoroughly after product use. Keep out of reach of children	EFFECTS OF	OVEREXPOSU	RE (Acute and/or Chronic)	:						
cause respiratory irritation.   cause respiratory irritation.   SECTION VII - PREVENTIVE AND CONTROL MEASURES   Respiratory Protection: None normally required with adequate ventilation.   Protective Gloves: Rubber type to protect sensitive skin. Ventilation: Local Mechanical Exhaust Recommended to prevent splashing into eyes.   Protective Clothing and Equipment: Recommended to prevent skin irritation. Ventilation: Local Mechanical Exhaust Recommended to prevent splashing into eyes.   Hygene Practices: Wash hands thoroughly after product use. Hygene Practices: Wash hands thoroughly after product use.   Keep out of reach of children Keep out of reach of children	Eyes	: Direct contact ma	y cause irritation		Ingestion	n: May cause gast	rointestinal irritation, r	nausea, diarrhe		
SECTION VII - PREVENTIVE AND CONTROL MEASURES   Respiratory Protection: None normally required with adequate ventilation.   Protective Gloves: Rubber type to protect sensitive skin. Ventilation: Local Mechanical Exhaust Recommended to grevent splashing into eyes.   Protective Clothing and Equipment: Recommended to prevent skin irritation. Ventilation: Local Mechanical Exhaust Recommended to grevent splashing into eyes.   Hygene Practices: Wash hands thoroughly after product use. Hygene Practices: Wash hands thoroughly after product use.   Keep out of reach of children Keep out of reach of children	Skin: Prolonged or repeated contact may cause irritation.			Inhilation	Inhilation: Prolonged exposure in poorly ventilated area may					
Respiratory Protection: None normally required with adequate ventilation. Ventilation: Local Mechanical Exhaust Recommended   Protective Gloves: Rubber type to protect sensitive skin. Eye Protection: Recommended to prevent splashing into eyes.   Protective Clothing and Equipment: Recommended to prevent skin irritation. Hygene Practices: Wash hands thoroughly after product use.   Protective Clothing and Equipment: Recommended to prevent skin irritation. Hygene Practices: Wash hands thoroughly after product use.   Keep out of reach of children Keep out of reach of children						cause respiratory irritation.				
Protective Gloves: Rubber type to protect sensitive skin.   Protective Clothing and Equipment: Recommended to prevent skin irritation.   Protective Clothing and Equipment: Recommended to prevent skin irritation.   Protective Clothing and Equipment: Recommended to prevent skin irritation.   Protective Clothing and Equipment: Recommended to prevent skin irritation.   Hygene Practices: Wash hands thoroughly after product use.   Keep out of reach of children Keep out of reach of children			SECTION VII - PR	EVENTIV	E AND CONTROL MEA	SURES				
Protective Clothing and Equipment: Recommended to prevent skin irritation. Hygene Practices: Wash hands thoroughly after product use.   Protective Clothing and Equipment: Recommended to prevent skin irritation. Hygene Practices: Wash hands thoroughly after product use.   Keep out of reach of children Keep out of reach of children	Respiratory Prote	ection: None normal	lly required with adequate ventilation	on.	Ventilation: Loca	al Mechanical Ex	haust Recommend	ded		
Protective Clothing and Equipment: Recommended to prevent skin irritation. Hygene Practices: Wash hands thoroughly after product use. Keep out of reach of children	Protective Gloves: Rubber type to protect sensitive skin.				Eye Protection: Reco	Eye Protection: Recommended to prevent splashing into eyes.				
Keep out of reach of children	Protective Clothing and Equipment: Recommended to prevent skin irritation.					Hygene Practices: Wash hands thoroughly after product use.				
	Protective Clothing and Equipment: Recommended to prevent skin irritation.			Hygene Practices: W	Hygene Practices: Wash hands thoroughly after product use.					
						Keep out of read	ch of children			

CAUTION: Keep spills and cleaning run off out of municipal sewers and open bodies of water.

## SECTION VIII - PREVENTIVE AND CONTROL MEASURES

## FIRST AID NOTES TO PHYSICIAN:

**Eyes:** Flush with large amount of water for 15 minutes holding eyelids open. **Ingestion:** Give 2-3 large glasses of water or milk. Seek medical attention. Skin: Wash with mild soap and water Inhalation: Remove to fresh air and let rest.