Rapid Blanket Restorer Corp

P.O. Box 674, Chesterland, Ohio 44026-0674 • Phone 330-821-6326 • Fax 440-256-6326

MATERIAL SAFETY DATA SHEET

Rapid Blanket Restorer Corp.

P.O. Box 674

Chesterland, Ohio 44026-0674

Business Phone Number: 330-821-6326 FAX: 440-256-6326

Page 1 of 2 Prepared: 06-24-91 Revised: 12-09-99

EMERGENCY: 800-424-9300 Chemtrec-24 Hour - Only for spills, leaks, fires, exposure or

accidents involving chemicals.

I. PRODUCT IDENTIFICATION

Product Name: RAPID BLANKET RESTORER

General ID: Complex Solvent Blend DOT Hazard Classification: 6.1

DOT Description: Dichloromethane Mixture, 6.1, UN1593, "PGIII"

Limited quantities renamed "Consumer Commodity" and reclassed as "ORM-D" material.

II. Hazardous Components

111 Tiddir doub Components					
Ingredient	CAS NUMBER	PEL(ppm)	TLV(ppm)	%	
*Methylene Chloride	75-09-2	25	25	85-95%	
*Methyl Alcohol	67-56-1	200	200	1 - 5%	
Ammonia	7664-41-7	25	25	1 - 2 %	
Cellulosics	9004-65-3			2 - 4%	
Petroleum Wax	64741-41-9			1 - 3 %	

*Subject to SARA III Section 313 and 40CFR Part 372 reporting requirement

III. Physical Data

Boiling Point (deg F):	105F
Specific Gravity	1.32 (Water =1)
Vapor Pressure (mmHg at 75 deg F):	4.00
Percent Volatiles by volume:	4.1
Specific Vapor Density (Air=1)	11.2 lbs/gal
PH:	10.92
Evaporation Rate (Ethyl Ether=1):	1.88

Solubility in Water:		Slight		
Odor Threshold:		25-50 ppm		
Volitile Organic Compounds		98%		
HMIS Code:		H-3; F-0; R-0; Othr-0		
		IV. Health Hazard Data		
Potential Effe	ects of a Single	Acute Overexposure:		
Eyes:		May cause pain, moderate eye irritation that may be slow to heal and slight corneal injury. Vapors may irritate eyes. May cause caustic-like burns.		
Skin:		Prolonged or repeated exposure may cause skin irritation, even a burn. Repeated contact may cause drying or flaking skin. May cause more severe response to skin. Extensive skin contact, such as immersion should be avoided.		
Ingestion:		Can cause severe and permanent damage to digestive tract. Causes severe pain, nausea, vomiting, diarrhea and shock. DO NOT IDUCE VOMITING.		
Inhalation:		Effects may be delayed (chronic). Causes chemical burns to respiratory tract and may target liver. Exposure to levels over 1,000 ppm may affect the central nervous system and cause dizziness or drunkeness. Exposure to levels as low as 10,000 ppm can cause unconsciousness and death by asphyxiation. May cause convulsion or shock. May have cardiac effects including elevation of carboxyhemoglobin.		
Chronic:		Prolonged and repeated skin contact may cause dermatitis. Repeated inhalation may cause chronic bronchitis.		
		V. First Aid		
Eyes:	Flush with plenty of water for 15 minutes occasionally lifting upper and lower lids. S medical aid.			
Skin:	Flush affected area of skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing.			
Ingestion:	DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. If conscious give large amounts of water. Seek medical aid immediately.			
Inhalation:	Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical aid immediately.			
Notes to Physician: Treat symptom		omatically and supportively.		
		VI. Fire Fighting Measures		
General Information:		Sealed containers can build up pressure if exposed to heat and/or fire. As ir any fire war self-contained breathing apparatus in pressure demand mode. Vapors can travel to a source of ignition and flashbacks may occur.		
Extinguishing Media:		For small fires, use dry chemical, carbon dioxide, or alcohol resistant foam.		
Hazardous Pr Combustion:	oducts of	Carbon Dioxide, Carbon Monoxide, Chlorine, Hydrogen Chloride, Phosgene.		

		VII. Accidental Release Measures				
Spills and Leaks:		Absorb spill with inert material, (e.g. dry sand or earth), and place into a chemical waste container for proper disposal in accordance with local, state and federal guidelines.				
Handling:		Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Use with adequate ventilation. Keep container tightly closed, avoid skin contact.				
Storage:		Store in cool, dry, well ventilated area away from incompatible substances such as amines, reactive metals such as aluminum and magnesium, strong alkalies and strong oxidizing agents.				
	VIII.	Exposure Controls, Personal Protection Equipment				
Engineering Controls:	-	e general or local exhaust ventilation to keep airborne concentrations belowermissable exposure limit of 25ppm.				
Personal Prot	tective Equp	nent:				
Eyes:		priate eyeglasses or chemical safety goggles as described by OSHA's eye tection regulations in 29 CFR 1910.133 or European Standard EN 166.				
Skin:	Wear approp	priate protective clothing to prevent skin exposure				
Respirators:		IA respirator regulations found in 29 CFR 1910.134 and 1910.1052 or andard EN 149 for approved respirator when necessary.				
		IX. Stability and Reactivity				
Chemical Stat	oility	Stable under normal temperature and pressures.				
Conditions to Avoid:		Contact with amines, reactive metals such as aluminum and magnesium, strong alkalies and strong oxidizing agents.				
Hazardous Decomposition Products:		Carbon Monoxide, Carbon Dioxide, Chlorine, Hydrogen Chloride and Phosgene.				
Hazardous Pol	lymerization:	Will not occur.				
		X. Regulatory Information				
RCRA D Serie	es:	Aluminum Hydroxide, Methanol				
RCRA F Serie	es:	None				
RCRA P Serie	es:	None				
RCRA U Series:		None				
US DOT Shipping Name:		UNI593 Coatings Related Material				
TSCA:		CAS#75-09, 7664-41-7 is listed on TSCA inventory. Health and safety list, no chemicals in the product are listed. Chemical Test Rules, no chemicals in product are under the rule.				
SARA:		Reportable quantity (RQ) 75-092-2 RQ amount (1,000/454). Reportable quantity (RQ) 7664-41-7 RQ amount (1,000/454). None of the chemicals in this product have a TPQ.				
OSHA:		75-09-2 is considered highly hazardous by OSHA. Refer to OSHA Standard 1910.1052 for detailed information.				
California Proposition 65:		75-09-2 is listed as a chemical known to the State to cause cancer or				

	reproductive toxicity.		
	XI. Toxilogical Information		
CAS # 75-09-2 Methylene o	CAS # 75-09-2 Methylene chloride-LD (50) in young rats 1.6 ml/kg.		
No Information Available for:			
Carcinogenicity	Reproductive Effects		
Epidemiology	Neurotoxicity		
Teratogenicity	Mutagenicity		
VII Additional Information			

XII. Additional Information

The information above is believed to be accurated and represents the best information currently available to RAPID BLANKET RESTORER CORP. However, RAPID BLANKET RESTORER makes no warranty of merchantability or any other warranty, express or implied, with respect to such information and RAPID BLANKET RESTORER will assume no liability resulting from its use. Users should conduct their own investigations to determine the suitability of the information for their particular purpose. In no way shall RAPID BLANKET RESTORER be liable for any claims, losses or damages of any third party for lost profits or any special, indirect, incidental or exemplary damages, howsoever arising even if RAPID BLANKET RESTORER has been advised of the possibility of such damages.

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MATERIAL SAFETY DATA SHEET

RETLAW, Inc..

2170 Lost Nation Road Willoughby, OH 44094

Business Phone Number: 330-821-6326 FAX: 440-256-6326

Page 1 of 2 Prepared: 06-24-91 Revised: 12-09-99

EMERGENCY: 800-424-9300 Chemtrec-24 Hour - Only for spills, leaks, fires, exposure or accidents

involving chemicals.

I. PRODUCT IDENTIFICATION

Product Name: **BLANKET NEW LIFE**

General ID: Complex Solvent Blend DOT Hazard Classification: 6.1

DOT Description: Dichloromethane Mixture, 6.1, UN1593, "PGIII"

Limited quantities renamed "Consumer Commodity" and reclassed as "ORM-D" material.

II. Hazardous Components

		227 220200 0 0 0 111 р		
Ingredient	CAS NUMBER	PEL(ppm)	TLV(ppm)	%
*Methylene Chloride	75-09-2	25	25	85-95%
*Methyl Alcohol	67-56-1	200	200	1 - 5%
Ammonia	7664-41-7	25	25	1 - 2 %
Cellulosics	9004-65-3			2 - 4%
Petroleum Wax	64741-41-9			1 - 3 %

*Subject to SARA III Section 313 and 40CFR Part 372 reporting requirement				
III. Physical Data				
Boiling Point (deg F):	105F			
Specific Gravity	1.32 (Water =1)			
Vapor Pressure (mmHg at 75degF):	4.00			
Percent Volatiles by vol	lume: 4.1			
Specific Vapor Density	(Air=1) 11.2 lbs/gal			
PH:	10.92			
Evaporation Rate (Ethyl Ether=1):	1.88			
Solubility in Water:	Slight			
Odor Threshold:	25-50 ppm			
Volitile Organic Compo	ounds: 98%			
HMIS Code:	H-3;F-0;R-0, Other			
IV. Health Hazard Data				
Potential Effects of a sin	ngle (Acute) overexposure:			
Eyes:	May cause pain, moderate eye irritation that may be slow to heal and slight corneal injury. Vapors may irritate eyes. May cause caustic-like burns.			
Skin:	Prolonged or repeated exposure may cause skin irritation, even a burn. Repeated contact may cause drying or flaking skin. May cause more severe response to skin. Extensive skin contact, such as immersion should be avoided.			
Ingestion:	Can cause severe and permanent damage to digestive tract. Causes severe pain, nausea, vomiting, diarrhea and shock. DO NOT INDUCE VOMITING.			
Inhalation:	Effects may be delayed (chronic). Causes chemical burns to respiratory tract and may target liver. Exposure to levels over 1,000 ppm may affect the central nervous system and cause dizziness or drunkeness. Exposure to levels as low as 10,000 ppm can cause unconsciousness and death by asphyxiation. May cause convulsion or shock. May have cardiac effects, including elevataion of carboxyhemoglobin.			
Chronic:	Prolonged and repeated skin contact may cause dermatitis. Repeated inhalation may cause chronic bronchitis.			
	V. First Aid Measures			
1 -	sh with plenty of water for at least 15 minutes, occasionally lifting upper and ver lids. Seek medical aid.			
	sh affected area of skin with plenty of soap and water for at least 15 minutes ile removing contaminated clothing.			

Avoid: Hazardous Decom		strong oxidizing agents. Carbon Monoxide, Carbon Dioxide, Chlorine, Hydrogen Chloride and	
Conditions to		amines, reactive metals such as aluminum and magnesium, strong	
Chemical Stable under Stability:		normal temperature and pressures	
		IX. Stability and Reactivity	
Respirators:	Follow OSHA respirator regulations found in 29 CFR 1910.134 and 1910.1052 or European standard EN 149 for approved respirator when necessary.		
Skin:	Wear appropriate protective clothing to prevent skin exposure.		
Eyes:	Wear appropriate eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulatoins in 29 CFR 1910.133 or European Standard EN 166.		
Personal Protectiv			
Engineering Controls:	-	general or local exhause ventilation to keep airborne concentrations SHA permissable exposure limit of 25ppm.	
	VIII. Expo	sure Controls, Personal Protection Equipment	
Storage:	Store in cool, dry, will ventilated area away from incompatible substances like strong oxidizers and chlorine.		
Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Use with adequate ventilation. Keep container tightly closed, avoid skin contact.		
Spills and Leaks:	Absorb spill with inert material, (e.g. dry sand or earth), and place into a chemical waste container for proper disposal in accordance with local, state and federal guidelines.		
		VII. Accidental Release Measures	
Hazardous Products of Combustion:	Carbon Dioxide, Carbon Monoxide, Chlorine, Hydrogen Chloride, Phosgene.		
Extinguishing Media:	For small fire	es, use dry chemical, carbon dioxide, or alcohol resistant foam.	
General Information:	Sealed containers can build up pressure if exposed to heat and/or fire. As in any fire wear self-contained breathing apparatus in pressure demand mode. Vapors can travel to a source of ignition and flashbacks may occur.		
		VI. Fire FIghting Measures	
Notes to Physician:	Treat symptomatically and supportively.		
Inhalation:	Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical aid immediately.		
Ingestion:		DUCE VOMITING. Never give anything by mought to an unconscious nscious give large amounts of water. Seek medical aid immediately.	

X. Regulatory Information				
RCRA D Series:		Ammonium Hydroxide, Methanol		
RCRA F Series:		None.		
RCRA P Series:		None.		
RCRA U Series:		None.		
US DOT Shipping	Name:	UN1593 Coatings Related Material		
TSCA:	Health and S	-2, 7664-41-7 is listed on TSCA inventory. afety list, no chemicals in the product are listed. at rules, no chemicals in product are under the rule.		
SARA:	Reportable q	uantity (RQ) 75-09-2 RQ amount (1,000/454). uantity (RQ) 7664-41-7 RQ amount (1,000/454). chemicals in this product have a TPQ.		
OSHA:		onsidered highly hazardous by OSHA. Refer to OSHA Standard or detailed information.		
California Proposition 65:	75-09-2 is listoxicity.	sted as a chemical known to the State to cause cancer or reproductive		
		XI. Toxicological Information		
CAS # 75-09-2 Me	ethylene chlori	de-LD(50) in young rats 1.6 ml/kg.		
No Information Av	vailable for:			
Carcinogenicity		Reproductive effects		
Epidemiology		Neurotoxicity		
Teratogenicity		Mutagenicity		
XII. Additional Information				
The information above is believed to be accurate and represents the best information currently available to RETLAW, INC. However, RETLAW makes no warranty of merchantability or any other warranty, express or implied, with respect to such information and RETLAW will assume no liability resulting from its use. Users should conduct their own investigations to determine the suitability of the information for their particular purpose. In no way shall RETLAW be liable for any claims, losses or damages of any third party for lost profits or any special, indirect, incidental or exemplary damages, howsoever arising even if RETLAW has been advised of the possibility of such damages. BACK TO TOP				

MATERIAL SAFETY DATA SHEET

Rapid Blanket Restorer Corp.

P.O. Box 674

Chesterland, Ohio 44026-0674

Business Phone Number: 330-821-6326

Page 1 of 2 Prepared: 06-24-91 Revised: 12-09-99

EMERGENCY: 800-424-9300 Chemtrec-24 Hour - Only for spills, leaks, fires, exposure or

accidents involving chemicals.

I. PRODUCT IDENTIFICATION

Product Name: ENVIRO BLANKET RESTORER

General ID: Complex Solvent Blend

DOT Hazard Classification: Combustible Liquid

DOT Shipping Name (49 CFR172.101-102): Combustible Liquid, N.O.S.

DOT Description: Drums - Solvent; UN/NA 1993 (bulk)

N-Methyl Pyrrolidone 872-50-4 100 100 Hydroxypropyl Cellulose 9004-64-2 Hydroxypropyl Cellulose 9004-64-2	II. Hazardous Components				
Hydroxypropyl Cellulose 9004-64-2 HII. Physical Data Boiling Point (deg C): 203° C V.O.C.: 8.47 lb./gal Specific Gravity	Ingredient		PEL(ppm)	TLV(ppm)	
Boiling Point (deg C): V.O.C.: 8.47 lb/gal Specific Gravity 1.03 (Water=1) % Volatile by Weight: 98.76 Vapor Pressure (mmHg at Room Temp): Evaporation Rate: Slower than Butyl Acetate PH: 7.0-7.5 (100mg/liter of water) Solubility in Water: Complete Specific Vapor Density: Hazardous Polymerization: Materials to Avoid: Strong Oxidizing or reducing agents Carbon Monoxide and Nitrogen Oxide fumes produced when heated to decomposition. IV. Fire and Explosion Data Flash Point (Closed Cup Test Method): Auto ignition Temperature: Flammability Limits in Air (% by volume): Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Water Fighting Procedures: Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Stable. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	N-Methyl Pyrrolidone	872-50-4	100	100	
Boiling Point (deg C): V.O.C.: 8.47 lb./gal Specific Gravity 1.03 (Water=1) 98.76 Vapor Pressure (mmHg at Room Temp): Evaporation Rate: Slower than Butyl Acctate pH: 7.0-7.5 (100mg/liter of water) Solubility in Water: Specific Vapor Density: Hazardous Polymerization: Materials to Avoid: Hazardous Decomposition Products: Flash Point (Closed Cup Test Method): Auto ignition Temperature: Flammability Limits in Air (% by volume): Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: V. Reactivity Data Stability: Stabil. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Hydroxypropyl Cellulose	9004-64-2			
V.O.C.: S.47 lb./gal Specific Gravity Volatile by Weight: Vapor Pressure (mmHg at Room Temp): Evaporation Rate: Slower than Butyl Acetate pH: 7.0-7.5 (100mg/liter of water) Solubility in Water: Specific Vapor Density: Hazardous Polymerization: Materials to Avoid: Strong Oxidizing or reducing agents Wear AIO S1794) Flammability Limits in Air (% by volume): Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: V. Reactivity Data Stability: Stabil. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.			III. Physical Data		
Specific Gravity 1.03 (Water=1) 98.76 Vapor Pressure (mmHg at Room Temp): 21 mbar Evaporation Rate: Slower than Butyl Acetate pH: 7.0-7.5 (100mg/liter of water) Solubility in Water: Complete Specific Vapor Density: 3.4 (air = 1) Hazardous Polymerization: Not expected to Occur Materials to Avoid: Strong Oxidizing or reducing agents Hazardous Decomposition Products: Carbon Monoxide and Nitrogen Oxide fumes produced when heated to decomposition. IV. Fire and Explosion Data Flash Point (Closed Cup Test Method): 199° F (ASTM D 93-73 Auto ignition Temperature: 518° F (DIN 51794) Flammability Limits in Air (% by volume): Lower 1.3, Upper 9.5% Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Special Firefighting Procedures: Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Stable. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Boiling Point (deg C):		203° C		
% Volatile by Weight: 98.76 Vapor Pressure (mmHg at Room Temp): < 1 mbar	V.O.C.:		8.47 lb./gal		
Vapor Pressure (mmHg at Room Temp): Evaporation Rate: pH: 7.0-7.5 (100mg/liter of water) Solubility in Water: Complete Specific Vapor Density: Hazardous Polymerization: Materials to Avoid: Strong Oxidizing or reducing agents Hazardous Decomposition Products: Carbon Monoxide and Nitrogen Oxide fumes produced when heated to decomposition. IV. Fire and Explosion Data Flash Point (Closed Cup Test Method): Plammability Limits in Air (% by volume): Lower 1.3, Upper 9.5% Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: Unusual Fire & Explosion Hazards: V. Reactivity Data Stability: Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Specific Gravity		1.03 (Water=1)		
Common	% Volatile by Weight:		98.76		
pH: 7.0-7.5 (100mg/liter of water) Solubility in Water: Complete Specific Vapor Density: 3.4 (air = 1) Hazardous Polymerization: Not expected to Occur Materials to Avoid: Strong Oxidizing or reducing agents Hazardous Decomposition Products: Carbon Monoxide and Nitrogen Oxide fumes produced when heated to decomposition. IV. Fire and Explosion Data Flash Point (Closed Cup Test Method): 199° F (ASTM D 93-73 Auto ignition Temperature: 518° F (DIN 51794) Flammability Limits in Air (% by volume): Lower 1.3, Upper 9.5% Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Special Firefighting Procedures: Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Stable. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	*		< 1 mbar		
Solubility in Water: Specific Vapor Density: Hazardous Polymerization: Materials to Avoid: Strong Oxidizing or reducing agents Carbon Monoxide and Nitrogen Oxide fumes produced when heated to decomposition. IV. Fire and Explosion Data Flash Point (Closed Cup Test Method): Auto ignition Temperature: Flammability Limits in Air (% by volume): Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Evaporation Rate:		Slower than Butyl Acetate		
Specific Vapor Density: Hazardous Polymerization: Materials to Avoid: Strong Oxidizing or reducing agents Carbon Monoxide and Nitrogen Oxide fumes produced when heated to decomposition. IV. Fire and Explosion Data Flash Point (Closed Cup Test Method): Flammability Limits in Air (% by volume): Extinguishing Media: Special Firefighting Procedures: Unusual Fire & Explosion Hazards: Unusual Fire & Explosion Hazards: V. Reactivity Data Stability: Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	pH:		7.0-7.5 (100mg/liter of water)		
Hazardous Polymerization: Materials to Avoid: Hazardous Decomposition Products: Carbon Monoxide and Nitrogen Oxide fumes produced when heated to decomposition. IV. Fire and Explosion Data Flash Point (Closed Cup Test Method): Auto ignition Temperature: Flammability Limits in Air (% by volume): Extinguishing Media: Special Firefighting Procedures: Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Solubility in Water:		Complete		
Materials to Avoid: Hazardous Decomposition Products: Carbon Monoxide and Nitrogen Oxide fumes produced when heated to decomposition. IV. Fire and Explosion Data Flash Point (Closed Cup Test Method): Auto ignition Temperature: Flammability Limits in Air (% by volume): Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Special Firefighting Procedures: Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Specific Vapor Density:		3.4 (air = 1)		
Hazardous Decomposition Products: Carbon Monoxide and Nitrogen Oxide fumes produced when heated to decomposition. IV. Fire and Explosion Data Flash Point (Closed Cup Test Method): Auto ignition Temperature: 518° F (DIN 51794) Flammability Limits in Air (% by volume): Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Special Firefighting Procedures: Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Stable. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Hazardous Polymerization:		Not expected to Occur		
IV. Fire and Explosion Data Flash Point (Closed Cup Test Method): Flammability Limits in Air (% by volume): Extinguishing Media: Special Firefighting Procedures: Unusual Fire & Explosion Hazards: Water Fog. Dry Chemical CO2, Foam Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Materials to Avoid:		Strong Oxidizing or reducing a	agents	
Flash Point (Closed Cup Test Method): Auto ignition Temperature: 518° F (DIN 51794) Flammability Limits in Air (% by volume): Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Special Firefighting Procedures: Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Stable. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Hazardous Decomposition P	roducts:	Carbon Monoxide and Nitrogen Oxide fumes produced when heated to decomposition.		
Auto ignition Temperature: 518° F (DIN 51794) Lower 1.3, Upper 9.5% Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Stable. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.		IV.	Fire and Explosion Data		
Flammability Limits in Air (% by volume): Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Stable. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Flash Point (Closed Cup Tes	t Method):	199° F (ASTM D 93-73		
Extinguishing Media: Water Fog, Dry Chemical CO2, Foam Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Unusual Fire & Explosion Hazards: Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Stable. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Auto ignition Temperature:		518° F (DIN 51794)		
Special Firefighting Procedures: Wear NIOSH-MSHA approved, self-contained breathing apparatus and turn out gear. Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Stable. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Flammability Limits in Air (% by volume):		Lower 1.3, Upper 9.5%		
apparatus and turn out gear. Unusual Fire & Explosion Hazards: Low, when exposed to heat or flames. Can react with oxidizing materials V. Reactivity Data Stability: Stable. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Extinguishing Media:		Water Fog, Dry Chemical CO2, Foam		
Oxidizing materials V. Reactivity Data Stability: Stable. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Special Firefighting Procedures:				
Stability: Stable. Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	Unusual Fire & Explosion Hazards:				
Conditions to Avoid: Heat, flames, moisture-compound is hygroscopic.	V. Reactivity Data				
	Stability:		Stable.		
Chemical Incompatibility: Strong acids, oxidizing agents	Conditions to Avoid:		Heat, flames, moisture-compound is hygroscopic.		
	Chemical Incompatibility:		Strong acids, oxidizing agents		

Hazardous Decomposition or Byproducts:		Carbon Monoxide, Carbon Dioxide and Nitrogen Oxide
Hazardous Polymerization:		Not expected to occur
Corrosive to Metal:		No
Oxidizer:		No
	V	I. Health Hazard Data
Acute Health Effects (Short	Term):	Severe eye irritant. Temporary clouding. Moderate skin irritant. Slight skin absorption hazard. Slight ingestion hazard. Inhalation-No hazard identified from data found.
Chronic Health Effects:		Not carcinogenic in rats exposed to 0.4MG/L of vapors for 2 years. Not Mutagenic in AMES Test. Not teratogenic by dermal exposure at levels tolerated by mother in animal studies. Prolonged skin contact causes redness, irritation and defatting.
First Aid:		
Eyes:	Flush with f	flowing water for at least 15 minutes. Get medical attention.
Skin:		ted areas thoroughly with water while removing contaminated et medical attention. Wash clothes before reuse.
Inhalation:	Move to fresh air. Aid in breathing, if necessary and get medical attention.	
Ingestion:	attention. N	warm water. Do not induce vomiting. Get immediate medical EVER GIVE FLUIDS OR INDUCE VOMITING IF PERSON SCIOUS OR HAVING CONVULSIONS.
	VII.	Spill or Leak Procedures
Toxicity Data:	Not established	
Spill or Leaks:	Not a regulated product. Spills should be contained absorbed and placed in suitable containers for disposal.	
Waste Disposal:	Incinerate or bury as a solid after absorption on cementation in licensed facility. Do not put in sewers or waterways. Containers should be crushed to prevent reuse and disposed in licensed facility.	
SARA Act of 1986, Title III:	Section 311/312 Hazard Categories - Fire Hazard Section 313 - No chemicals in this product exceed the de minimus reporting level established by SARA Title III Section 313 and 40 CFR 372.	
Toxic Substance Control Act (TSCA)-	All components listed on TSCA list.	
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):	No chemicals in this product are subject to reporting requirements of CERCLA.	
California Proposition 65	LIsted N-Methyl Pyrrolidone	
V	III. Other S	pecial Protection and Precautions
Respiratory Protection: Use approved organic vapor respirator if vapors/mists.		

Ventilation:	Local exhaust to recommended P.E.L.
Clothing:	Gloves, coveralls, apron to minimize skin contact
Eye Protection:	Goggles
HMIS Health:	2
Flammability:	1
Reactivity:	0
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MATERIAL SAFETY DATA SHEET

Rapid Blanket Restorer Corp.

P.O. Box 674

Chesterland, Ohio 44026-0674

Business Phone Number: 330-821-6326

Page 1 of 2 Prepared: 06-24-91 Revised: 04-01-97

EMERGENCY: 800-424-9300 Chemtrec-24 Hour - Only for spills, leaks, fires, exposure or

accidents involving chemicals.

I. PRODUCT IDENTIFICATION

Product Name: **DEEP CLEAN CONCENTRATE**

General ID: Vegetable Oil Based Mixture

Material Use: Cleaner - Lithographic blankets, rollers, press

	II. Hazardous Components	
Hazardous Ingredients:	None known	
III. Physical Data		
Boiling Point (deg F):	Not established	
Specific Gravity	0.895 - 0.905 (Water =1)	
Vapor Pressure (mmHg at Room Temp):	< 1mm Hg at 68° F	
Specific Vapor Density (Air=1)	Not established	
Evaporation Rate (Ethyl Ether=1):	Not established	
Solubility in Water: (20)	Miscible	
Freezing Point:	40 deg. F	
Odor Threshold:	Mild	
Appearance:	Yellow Liquid	
VOC Method 24:	0.35% or .26 lbs./gal.	
IV. Fire and Explosion Data		
Flammability:	Not flammable. Dried residue may burn under fire conditions.	
Flash Point (C), method:	Over 212° F	

Extinguishing Media:	"Alcohol" foam, carbon dioxidry chemical, water fog.
Lower Explosion Limit:	Not available
Upper Explosion Limit	Not available
	V. Reactivity Data
Stability:	Stable under normal and fire conditions.
Incompatibility:	Strong oxidizing agents/materials.
Hazardous Decomposition or Byproducts:	Oxides of Carbon (CO, CO2)
	VI. Health Hazard Data
Routes of Entry:	Skin and Ingestion.
Effects of Acute Overexposure	e:
Eyes:	Can cause irritation, redness.
Skin:	Can cause irritation, redness.
Inhalation:	None known.
Ingestion:	May cause irritation of the throat with nausea and vomiting.
First Aid:	
Eyes:	Wash eyes for at least ten minutes with lid held open. Seek immediate first aid.
Skin:	Wash with abundant amounts of cool water. Remove contaminated clothing. If redness persists, apply replenishing cream. Seek medical attention.
Inhalation:	Remove to fresh air immediately. Give oxygen or artificial respiration as required. Get medical attention. DO NOT give stimulants.
Ingestion:	DO NOT induce vomiting. Drink water. NOTE TO PHYSICIAN: No specific antedote. Treat symptoms.
Chronic Effects:	None known: No evidence of carcinogenicity.
	VII. Spill or Leak Procedures
Clean Up:	Use absorbant material to soak up material.
Spill/Leak Procedures:	May be washed down with water.
Waste Disposal:	Incinerate in approved facility in accordance with local, state and federal regulations.
Storage:	Store in cool, dry areas. Avoid sunlight and high temperatures.
Regulatory Information:	Contains no chemicals reporting under SARA Title III Sections 313 or 40 CFR Part 372.
	VIII. Special Protection and Precautions
Respiratory Protection:	No special equipment.
Protective Gloves:	Wear solvent resistant/nitrile gloves.
Eye Protection:	Chemical splash goggles in compliance with OSHA regulation.

General: Avoid smoking, drinking when using product. Maintain good personal hygiene.

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MATERIAL SAFETY DATA SHEET

Rapid Blanket Restorer Corp.

P.O. Box 674

Chesterland, Ohio 44026-0674

Business Phone Number: 330-821-6326

Page 1 of 3 Prepared: 04-23-01

EMERGENCY: 800-535-5033 Info Trac -24 Hour, in transportation only

I. PRODUCT IDENTIFICATION

Product Name: Q-WINK SKIN CLEANER - ABRASIVE FREE

Proper shipping name: (49CFR 172.101) Cleaning Compound N.O.S

DOT Hazard Name: (49CFR 172.101) None

DOT ID No.: Same as Above DOT Hazard Class: Same as Above

RCRA Hazard Class: (40CFR 261) (As received): None

EPA Priority Pollutants: (40CFR 401.15): None

NFPA: None

Health (NFPA): None Flammability (NFPA): 0 Reactivity (NFPA): 0 CAS No.: Mixture

Generic Description : Skin Cleaner

OSHA Subpart Z : No OSHA 1910.119 : No

SARA Title III, Sec 313: No

TPQ: No

Reportable Quantity: None

State Lists: No Proposition 65: No Reproductive Hazard: No

Carcinogen : No WHMIS (Canada) : No

Extremely Hazardous Substances List: No

Hazardous Materials Identification System - HMIS

Health - 0

Flammability - 0 Reactivity - 0

II. Ingredients and Hazards	
Ingredient	CAS Number
Water	7732-18-5
Natural Organic Oil Blend	None
Mixture	NJ TSR 4460ES

Triethanolamine	102-71-6
Lanolin Oil	8006-54-0
VOC content <2%.	All naturally occurring substances.
All ingredients are listed on EPA TSCA Inventory of Chemicals	
	III. Physical Data
Boiling Point:	212F, 100C
Specific Gravity	8.5 lbs/gal (Water =1)
Vapor Pressure (mmHg at Room Temp):	Not determined
Vapor Density (Air=1)	>1
Melting Point:	30F, -1C
Evaporation Rate (Water=1):	0.75
Solubility in Water:	Miscible
Appearance and Odor:	Thick mobile liquid. Light green color. Apple/orange fragrance.
pH:	6-7.5
	IV. Fire and Explosion Data
Flash Point (Penske-Martin Closed Cup):	>212F
Flammable Limits:	N/A
Lower Explosion Limit:	N/A
Upper Explosion Limit	N/A
Extinguishing Media:	Water fog, alcohol foam, carbon dioxide or dry chemical. Keep fire exposed containers cool with water.
Special Fire Procedures:	None Required
Unusual Hazards:	None
	V. Reactivity Data
Stability/Unstable:	Stable *Conditions to Avoid: Do not mix with bleach.
Hazardous Decomposition or Byproducts:	Thermal decomposition may produce carbon monoxide.
*Hazardous Polymerization:	Will not occur.
*Incompatibility:	Strong oxidizing agents such as bleach, strong alkalies, strong acids, aldehydes, ketones, acrylates, organic halides, organic anhydrides. Should not be mixed with other chemicals.
	VI. Health Hazard Data
Routes of Entry:	Skin: Prolonged contact may cause defatting.
	Inhalation: Vapor or mist from heated product may cause irritation of the respiratory tract, with nasal discomfort and discharge.

	Eye: Contact with the eye cases irritation.
	Ingestion: Single dose oral toxicity is considered to be low. Small amounts ingested incidental to normal handling and use are not likely to case injury. Swallowing large amounts may cause injury.
Acte/Chronic Health Effects:	None - under normal usage.
Carcinogenicity:	None known. NTP? No. IARC Monographs? No OSHA regulated? No
Emergency and First Aid:	
Eyes:	In the event of eye contact, flsh with plenty of water, while holding eyelids apart. DO not rub eyes. If irritation persists, call physician.
Skin:	Rinse with water. If exposed for long periods use a moisturizing cream.
Inhalation:	Remove to fresh air.
Ingestion:	Call a physician or poison control center immediately. Treat as a detergent. NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgment of physician in response to reactions of the patient.
Medical Condition Aggravated by Exposure:	None known.
VII. Spill or Leak Procedures	

Steps to be taken in case material is Released or Spilled: Stop leak at source. Absorb onto inert medium and collect in an approved container. Rinse area with water to avoid possible slippery floor hazard. *Waste Disposal Method: According to all local, state and federal regulations.

VIII. Special Protection Information	
Respiratory Protection:	None required.
Ventilation:	Not needed.
Protective Gloves:	Not needed.
Eye Protection:	Do not splash product into eyes. If handling product where splashing is possible wear safety glasses or goggles.
Other Protective Clothing or Equipment:	Not needed. If clothing is wet from soap, remove, wash.
Work/Hygienic Practices:	Routine.
IV Special Procesutions and Comments	

IX. Special Precautions and Comments

Storage Requirement: Keep containers tightly closed when not in use to minimize evaporation. Store product in original containers, between 40 degrees and 100 debriefs(4-38C), out of direct sunlight and away from extreme heat. Keep from freezing. Keep out of reach of children.

Disclaimer: The information and recommendations presented herein are based on sources believed to be reliable as of the date hereof. The company makes no representation as to the completeness of accuracy hereof. It is the user's responsibility to determine the product's suitability for it's intended use, the product's safe use, and the product's proper disposal. No representations or warranties not expressly set forth herein are made hereunder, whether express or implied warranties of MERCHANTABILITY OR

FITNESS. The company neither assumes or authorizes any other person to assume for, anty other or ADDITIONAL LIABILITY OR RESPONSIBILITY resulting from the use of, or reliance upon, this information.

MATERIAL SAFETY DATA SHEET

Rapid Blanket Restorer Corp.

P.O. Box 674

Chesterland, Ohio 44026-0674

Business Phone Number: 330-821-6326

Page 1 of 3 Prepared: 04-23-01

EMERGENCY: 800-535-5033 Info Trac -24 Hour, in transportation only

I. PRODUCT IDENTIFICATION

Product Name: Q-WINK SKIN CLEANER - WITH ABRASIVES

Proper shipping name: (49CFR 172.101) Cleaning Compound N.O.S

DOT Hazard Name: (49CFR 172.101) None

DOT ID No.: Same as Above DOT Hazard Class: Same as Above

RCRA Hazard Class: (40CFR 261) (As received): None

EPA Priority Pollutants: (40CFR 401.15): None

NFPA: None Health (NFPA) : 1

Flammability (NFPA) : 0 Reactivity (NFPA) : 0 CAS No. : Mixture

Generic Description : Skin Cleaner

OSHA Subpart Z : No OSHA 1910.119 : No

SARA Title III, Sec 313: No

TPQ: No

Reportable Quantity: None

State Lists: No Proposition 65: No Reproductive Hazard: No

Carcinogen: No

WHMIS (Canada): No

Extremely Hazardous Substances List: No

Hazardous Materials Identification System - HMIS

Health - 0

Flammability - 0 Reactivity - 0

II. Ingredients and Hazards	
Ingredient	CAS Number
Water	7732-18-5
Natural Organic Oil Blend	None
Mixture	NJ TSR 4460ES
Triethanolamine	102-71-6
Lanolin Oil	8006-54-0

Fused Silica	60675-86-0
VOC content <2%.	All naturally occurring substances.
All ingredients are listed on EPA TSCA Inventory of Chemicals	
	III. Physical Data
Boiling Point:	212F, 100C
Specific Gravity	8.5 lbs/gal (Water =1)
Vapor Pressure (mmHg at Room Temp):	Not determined
Vapor Density (Air=1)	>1
Melting Point:	30F, -1C
Evaporation Rate (Water=1):	0.75
Solubility in Water:	Miscible
Appearance and Odor:	Thick mobile liquid. Light green color. Apple/orange fragrance.
pH:	6-7.5
	IV. Fire and Explosion Data
Flash Point (Penske-Martin Closed Cup):	>212F
Flammable Limits:	N/A
Lower Explosion Limit:	N/A
Upper Explosion Limit	N/A
Extinguishing Media:	Water fog, alcohol foam, carbon dioxide or dry chemical. Keep fire exposed containers cool with water.
Special Fire Procedures:	None Required
Unusual Hazards:	None
	V. Reactivity Data
Stability/Unstable:	Stable *Conditions to Avoid: Do not mix with bleach.
Hazardous Decomposition or Byproducts:	Thermal decomposition may produce carbon monoxide.
*Hazardous Polymerization:	Will not occur.
*Incompatibility:	Strong oxidizing agents such as bleach, strong alkalies, strong acids, aldehydes, ketones, acrylates, organic halides, organic anhydrides. Should not be mixed with other chemicals.
	VI. Health Hazard Data
Routes of Entry:	Skin: Prolonged contact may cause defatting.
	Inhalation: Vapor or mist from heated product may cause irritation of the respiratory tract, with nasal discomfort and discharge.
	Eye: Contact with the eye cases irritation.

VII. Spill or Leak Procedures	
Aggravated by Exposure:	
Medical Condition	None known.
Ingestion:	Call a physician or poison control center immediately. Treat as a detergent. NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgment of physician in response to reactions of the patient.
Inhalation:	Remove to fresh air.
Skin:	Rinse with water. If exposed for long periods use a moisturizing cream.
Eyes:	In the event of eye contact, flsh with plenty of water, while holding eyelids apart. DO not rub eyes. If irritation persists, call physician.
Emergency and First Aid:	
Carcinogenicity:	None known. NTP? No. IARC Monographs? No OSHA regulated? No
Acte/Chronic Health Effects:	None - under normal usage.
	Ingestion: Single dose oral toxicity is considered to be low. Small amounts ingested incidental to normal handling and use are not likely to case injury. Swallowing large amounts may cause injury.

Steps to be taken in case material is Released or Spilled: Stop leak at source. Absorb onto inert medium and collect in an approved container. Rinse area with water to avoid possible slippery floor hazard. *Waste Disposal Method: According to all local, state and federal regulations.

VIII. Special Protection Information	
Respiratory Protection:	None required.
Ventilation:	Not needed.
Protective Gloves:	Not needed.
Eye Protection:	Do not splash product into eyes. If handling product where splashing is possible wear safety glasses or goggles.
Other Protective Clothing or Equipment:	Not needed. If clothing is wet from soap, remove, wash.
Work/Hygienic Practices:	Routine.
IX. Special Precautions and Comments	

Storage Requirement: Keep containers tightly closed when not in use to minimize evaporation. Store product in original containers, between 40 degrees and 100 debriefs(4-38C), out of direct sunlight and away from extreme heat. Keep from freezing. Keep out of reach of children.

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BLANKET
RESTORER

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BLANKET
RESTORER

DEEP CLEAN
(concentrate)

CONTACT
US

CONTACT
US