CHEMICAL EMERGENCY NUMBERS	DATE ISSUED:	9/26/01
USA 1-800-424-9300 (Chemtrec)		
Canada 613-996-6666 (Canutec)		
MANUFACTURER'S PHONE NUMBER		
(708) 488-1025		

	- 4		I.		
SECTION 1	PPODUCT IDENTIFIC	ATION & COMP	ANV INFOR	MATION	
SECTION 1 - PRODUCT IDENTIFICATION & COMPANY INFORMATION PRODUCT NAME(S) Volara Type White CHEMICAL FORMULA					
PRODUCT NAME(S) VOISTS TYPE WITHE	olara Type White			CHEMICAL FORMULA	
SYNONYMS Crosslinked Ethylene Vinyl	NONYMS Crosslinked Ethylene Vinyl Acetate Foam (Industrial Tape Grade)		-	PRODUCT IDENTIFICATION NUMBER	
SECTION	2 - COMPOSITION/IN	EODMATION OF	MINORENIE	-NTC	
MATERIAL	Wt %	mg/m ³ mg/m ³			
Proprietary	Propriet	tary N/A	N/A		
EMERGENCY OVERVIEW: Material will burn	SECTION 3 - HAZAR	DOUS INGREDI	ENTS		
LABEL INFORMATION:					
POTENTIAL HEALTH EFFECTS: none known					
eyes: N/A	·				
skin: N/A			***************************************		
INGESTION: N/A				A A A A A A A A A A A A A A A A A A A	
INHALATION: N/A				-	
LONG TERM HAZARDS: none known					
CARCINOGENICITY: N/A					
SEC	TION 4 - PHYSICAL 8	CHEMICAL PR	OPERTIES		
PHYSICAL STATE: Solid	APPEARANCE: Fine celled foam ODOR: Characteristic				
SPECIFIC GRAVITY: 0.03	ODOR THRESHOLD: N/A VAPOUR PR		DUR PRESSURE: N/A		
FREEZING POINT: N/A	BOILING POINT: N/A	VAPOUR DENSITY (air = 1): N/A		DUR DENSITY (air = 1): N/A	
EVAPORATION RATE (n - butyl acetate = 1): N/A	SOLUBILITY IN WATER AT 20 Negligible	20° C (0.15 g/100mg at 25° c: pH: N/A		N/A	
COEFFICIENT: N/A	WATER/OIL DISTRIBUTION C	COEFFECIENT: N/A			
SECT	ION 5 - CHEMICAL S	TABILITY & REA	ACTIVITY		
CHEMICALLY STABLE?					
	Inder normal conditions			- Annual	
INCOMPATIBLE WITH OTHER SUBSTANCES? YES	NO ☑ If yes, which ones?	•			
CONDITIONS OF REACTIVITY: None		HAZARDOUS POLYMERIZATION: Will not occur			
CONDITIONS TO AVOID: Extreme heat above 316 degrees C HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, CO, Hydrocarb			DUCTS: Carbon Dioxide, CO, Hydrocarbons		
	ECTION 6 - TOXICOL	OGICAL INFOR	MATION		
ROUTE OF ENTRY Skin Contact		bsorption on Chronic		Eye Contact	
Inhalation Acute ☐ ACUTE ORAL EFFECTS LD50: N/A	Inhalati	on Chronic		Ingestion:	
ACUTE INHALATION EFFECTS LC50: N/A				and the time of time of time of the time of ti	
NEUROTOXICITY: N/A		IRRITANCY: N/A			
SENSITIZING CAPABILITY: N/A		REPRODUCTIVE TO	XICITY: Yes	□ No⊠	
TERATOGENICITY: Yes ☐ No ☒		MUTAGENICITY:	Yes 🗆	No ⊠	
CARCINOGENICITY: N/A		SYNERGISTIC MATE	RIALS: none		
COMPONENT CARCINOGENICITY LISTINGS: N/A				- /ATANA	
	SECTION 7 - ECOLO				
ECOTOXICITY: None		ENVIRONMENTAL EA	ATE: Not biode	egradeable	

	SECTION 8 - FIRE	& EXPLOSION HAZARD	Page 2 of2
FLAMMABLE / COMBUSTIBLE? Yes 🖾	No 🗖		
If Yes, under what conditions? Extreme heat a	above 316 degrees C	IMPACT/SHOCK SENSITIVITY: N/A	
UPPER FLAMMABLE LIMIT (% Volume): N/A		RATE OF BURNING: N/A	
LOWER FLAMMABLE LIMIT (% Volume): N/A		SENSITIVITY TO STATIC DISCHARGE: N/A	
AUTO IGNITION TEMP." N/A			Navida France Day Chamical
	bar Divide CO Hadasada	EXTINGUISHING MEDIA: Water, Carbon D	ploxide, Foam, Dry Chemical
HAZARDOUS COMBUSTION PRODUCTS: Cart			
GENERAL FIRE HAZARDS: Molten materia			
SPECIAL FIRE FIGHTING INSTRUCTIONS: No			
		OLS & PERSONAL PROTECTION	V
ENGINEERING CONTROLS (Specify, e.g. Ventilal PERSONAL PROTECTION:	ation, Enclosed Process): None under norma	u conditions	Account that Andrew Control
Gloves (Specify): If material is heated Respiratory (Specify) None under norma	Londitions	Eye (Specify): Safety glasses Footwear (Specify): None	
Clothing (Specify): None	Conditions	Footwear (Specify). 14011C	
Other: None			
EXPOSURE LIMITS (ACGIH / TLV): N/A			
	SECTION 10 - TRANSPO	PRTATION INFORMATION	
USA DOT (HM181): N/A		SHIPPING NAME: N/A	
CANADIAN TDG: N/A		UN / NA #: N/A	
HAZARD CLASS: None LABEL(S) REQUIRED? Yes □ No ☑	- And Milder and Andrews	PACKING GROUP: N/A	
INTERNATIONAL TRANSPORTATION REGULATION	TIONS, N/A	SPECIAL SHIPPING INFORMATION: None	
INTERNATIONAL TRANSPORTATION REGULA		AL RELEASE MEASURES	
SPILL OR LEAK RESPONSE: Sweep or pick			
TRANSPORTATION SPILLS: Sweep or pick			
The work of the state of the st		RAGE & HANDLING	
RECOMMENDED STORAGE: Cool, dry place			
PROCEDURES FOR HANDLING: None			
TROOLDOREST SKTIANDEING, TYONG	SECTION 13 - DISPOS	SAL CONSIDERATIONS	
HAZARDOUS WASTE? Yes ☐ No ☒	OLOTION 13 - DIGI OC	SAL CONSIDERATIONS	
GENERAL PRODUCT INFORMATION: None			
COMPONENT WASTE NUMBERS: N/A			
DISPOSAL INSTRUCTIONS: Incineration or			
	SECTION 14 - FIRS	T AID MEASURES	
EYES: None			
SKIN: None			
INGESTION: None INHALATION: None			
NOTES TO PHYSICIAN: None			· · · · · · · · · · · · · · · · · · ·
	SECTION 15 - REGUL	ATORY INFORMATION	
USA - OSHA (Hazard Communication Standard):			
EPA (Toxic Substances Control Act - TSCA): N/A			
CANADA - WHMIS (Workplace Hazardous Materi	als Information System): N/A		
CEPA (Canadian Environmental Protection Act):			
EINECS No. (European Inventory of Commercial (NFPA RATINGS:	Chemical Substances): N/A		
Health: 0	Fire: 1	Reactivity: 0	Other
HMIS RATINGS	FIIE. 1	Reactivity: 0	Other:
Health: 0	Fire: 1	Reactivity: 0	Other: A
		IER INFORMATION	
READ THIS MSDS SHEET BEFORE USING THIS	S PRODUCT.		
LABEL INFORMATION:			
Risk Phases: N/a			
Precautionary Measures: N/A			
MSDS SHEET PREPARED BY: J. Curtin KEY/LEGEND: None			
OTHER: None			



MATERIAL SAFETY DATA SHEET

DRP75

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Code

: DRP 75

MSDS Date : 05/01/2000

COMPANY IDENTIFICATION

EMERGENCY TELEPHONE NUMBERS

CHEMTREC

: 800-424-9300

Duraco, Inc.

7400 W. Industrial Drive Forest Park, IL 60130

2. COMPOSITION/INFORMATION ON INGREDIENTS

ane BY WT: 8.4000 sure Limit: H TLV – TWA H TLV – STEL	Vapor Pressure: 40.000 MMHG @ 68F 400 ppm	REG NO	142-82-5
BY WT: 8.4000 sure Limit: H TLV – TWA			
H TLV – TWA	400 npm		
–	400 ppm		
LITIV OTEL			
U IFA - SIEF	500 ppm		
A PEL TWA	500 ppm		
H REL – TWA	85 ppm		
H REL – CEILING	440 ppm 15-min TWA		
ne			108-88-3
BY WT: 33.3000	Vapor Pressure: 22.000 MMHG @ 68F		
	50 ppm – skin		
	· ·		
	• •		
	H REL – TWA H REL – CEILING	## REL – TWA 85 ppm 440 ppm 15-min TWA 85 ppm 440 ppm 15-min TWA 85 ppm 440 ppm 15-min TWA 85 ppm 15-min TWA 85 ppm 15-min TWA 85 ppm 89 pm 10-min peak per 8-hour shift 100 ppm 100 p	## REL – TWA 85 ppm ## REL – CEILING 440 ppm 15-min TWA ## REL – CEILING 440 ppm 15-min TWA ## PEL – CEILING 440 ppm 15-min TWA ## PEL – TWA 50 ppm – skin ## PEL – TWA 200 ppm ## A PEL – CEILING 300 ppm, 500 ppm 10-min peak per 8-hour shift ## REL – TWA 100 ppm

3. HAZARDS IDENTIFICATION

Emergency Overview

Extremely flammable liquid and vapors. Vapors may cause flash fire. Causes severe eye irritation. Inhalation may cause dizziness, headache and incoordination. Ingestion can cause dizziness, faintness, headache and incoordination. Ingestion may cause inflammation of the lungs. May cause moderate skin irritation. May cause respiratory tract irritation. May cause digestive tract irritation. Ingestion may cause nausea, vomiting, pain, upset stomach, and diarrhea. Inhalation may cause nausea, vomiting, and upset stomach. Prolonged contact might dry skin and cause irritation. See sections 3, 5, & 6.

Primary Routes Of Exposure

Eye. Skin. Inhalation (breathing).

Eye Contact

Causes severe irritation. May cause corneal opacity (clouding of the eye surface). Can cause burning sensation, tearing, and redness.

Skin Contact

May cause moderate irritation. Prolonged or repeated contact may dry the skin and lead to irritation (i.e. dermatitis). May be absorbed through the skin. Can cause redness, itching, and burning sensation.

Inhalation (Breathing)

Irritating to the eyes, nose, and respiratory tract. High concentrations may cause central nervous system depression with symptoms of dizziness, headaches, nausea and confusion.

Ingestion (Swallowing)

Irritating to the mouth, throat, and stomach. May cause nausea, vomiting, pain, and stomach upset (e.g., diarrhea). Can cause dizziness, faintness, headache, and in coordination. Possible aspiration hazard. May cause inflammation of the lungs.

Target Organs/Chronic Effects

Liver. Kidneys. Nervous system. Lungs and respiratory system. Eyes. Skin.

Conditions Aggravated By Exposure

Nervous system. Lungs and respiratory system. Skin.

Carcinogenicity

Based on the available information, this product is not expected to be carcinogenic in humans. This product contains no components in quantities greater than or equal to 0.1% by weigh t that is listed as proven or suspects carcinogens by IARC, NTP, or OSHA.

4. FIRST AID MEASURES

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Skin Contact

Immediately flush with water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Professionally wash clothing and shoes before re-use.

Inhalation (Breathing)

Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.

Ingestion (Swallowing)

Seek immediate medical attention. Don't induce vomiting. Never give anything by mouth to an unconscious person.

Notes To Physicians

Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

5. FIRE FIGHTING METHODS

Flash Point	12.0 F	Seta
Explosive Limits	Lower 1.0 %	% Volume in Air
	Upper 7.0 %	% Volume in Air
Autoignition	399.0 F	

Hazardous Combustion And Decomposition Products

Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.). Hydrogen chloride.

Fire And Explosion Hazards

High temperatures can cause sealed containers to rupture due to a build up of internal pressure. Cool with water. Vapors can travel to a source of ignition (flame, electric motor, hot surface, cigarette, etc.) and flash back. During a fire, irritating and highly toxic gases may be generated during combustion or decomposition.

Extinguishing Media

Dry chemical, carbon dioxide, foam, water spray or fog, and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on the size of potential size of fire and circumstances related to the situation.

Dry chemical, carbon dioxide, and "multipurpose" foams are recommended. Water may be ineffective extinguishing agent unless used under favorable conditions by experienced fire fighters trained in fighting all types of flammable liquid fires.

Fire Fighting Procedures/Equipment

Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Evacuation

Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all sources of ignition.

Containment

Safely stop discharge. Contain material, as necessary, with a dike or barrier. Stop material from contaminating soil, or from entering sewers or bodies of water.

Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. Depending on the size of the spill, pump or vacuum transfer contaminated absorbent to appropriately marked container for disposal.

Clean-Up/Personal Protection Equipment

Appropriate safety measures and protective equipment should be used. Use supplied air respirator or self-contained breathing apparatus in enclosed spaces or if airborne exposure limits can be exceeded.

Collection And Disposal

Stop discharge, if safe to do so. Use proper protective equipment. Use non-sparking tools and/or explosion-proof equipment. Stop ignition sources. Cover spills with absorbent clay or sawdust and place in closed chemical waste containers. Dispose of according to applicable local, state and federal regulations.

Reporting

Spills of this material in excess of a component's RQ must be reported to the National Response Center (1-800-424-8802) and to the appropriate state and local emergency response organizations.

Methyl ethyl ketone

RQ = 5000 LB

Toluene

RQ = 1000 LB

7. HANDLING AND STORAGE

Storage Conditions

Store in cool, dry, well-ventilated area away from heat, ignition sources, and direct sunlight. Keep containers tightly closed. WARNING: Hot organic chemical vapors or mists can suddenly and without warning combust when mixed with air. Ignition can occur at typical elevated temperature process conditions. Any use in such processes should be evaluated thoroughly to assure safe operating conditions.

Transfer

Containers should be supported and grounded before opening, dispensing, mixing, pouring, and emptying. Open with non-sparking tools. If container is warm, open bung slowly to release internal pressure.

Personal Hygiene

Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles faceshield, and gloves. Professionally launder contaminated clothing before re-use.

Empty Container Precautions

Attention! This is container hazardous when empty. Follow label warnings even after container is emptied since empty containers may retain product residues. Do not use heat, sparks, open flames, torches, and cigarettes on or near empty container. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption or where skin contact can occur.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls/Ventilation

Local exhaust ventilation is recommended when vapors, mists, or dusts can be released in excess of established airborne exposure limits (TLVs or PELs).

Eye Protection

Wear chemical splash goggles. An eye wash facility should be readily available.

Skin Protection

Wear protective clothing and appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation. Neoprene gloves. Butyl rubber gloves. An emergency shower should be readily available.

Respiratory Protection

Avoid breathing vapor and/or mists. Wear NIOSH/MSHA-approved equipment. Determine the appropriate type by consulting the respirator manufacturer. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR 1910.134. Organic vapor/mist respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Amber
Odor	Solvent
Physical State	Liquid
	7.5754 lb/al
Density	3
Solubility	Negligible
Vapor Pressure	40.00 mmHg @ 68F
Vapor Density	3.50 Air = 1
Boiling Range	Lower 200.0 F
	Higher 232.0 F
Specific Gravity	0.910
Evaporation Rate	4.500 (n-Butyl Acetate = 1)
Volatile (% Weight)	41.700ò
Volatile (% Volume)	45.7661
VOC (% Weight)	47.7000
VOC (% Volume)	45.7661
VOC (less water and exempt	3.159 LB/GL
solvent)	378.54 GM/L
VOC (less water and exempt	
solvent)	

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal condition of use.

Hazardous Polymerization

Will not occur.

Conditions To Avoid

High temperatures. Ultraviolet light and/or sunlight.

Incompatibility With Other Materials

Oxidizing Agents. Strong Acids.

11. TOXICITY INFORMATION

No data for product.

12. ECOLOGICAL INFORMATION

No data are available on this product.

13. DISPOSAL CONSIDERATIONS

Disposal

Do not flush to sewer. Dispose of in accordance with all applicable federal, state or provincial, and local laws and regulations. RCRA hazardous material 40 CFR PART 260 et.seq.

General Statements

Federal regulations may apply to empty container. State and/or local regulations may be different.

General Recommendations

Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) recycle or rework, if feasible; (2) incinerate at an authorized facility; or (3) treat at an acceptable waste treatment facility.

Special Instructions

Be sure to contact the appropriate government environmental agencies if further guidance is required.

14. TRANSPORT INFORMATION

DOT HAZARD CLASS: 3 DOT PACKAGING GROUP:

15. REGULATORY INFORMATION

Federal Regulation

TSCA (U.S. Toxic Substances Control Act) Status: The intentional ingredients of this product are listed.

SARA 313 INFORMATION

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Toluene

CAS# 108-88-3

PCT BY WT: 33.3000

State Regulations

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986.

WARNING: This product contains a chemical(s) known to the state of California to cause cancer.

WARNING: This product contains a chemical(s) known to the state of California to cause birth defects and / or other reproductive harm.

International Regulations

No data available for product.

16. OTHER INFORMATION

Hazard Rating			
	HMIS	NFPA	
Health	2 *	2	
Fire	3	3	
Reactivity	0	0	

* = Chronic

ABBREVIATIONS:

ACGIH = American Conference of Governmental Industrial Hygienists

OSHA = Occupational Safety and Health Administration

TLV = Threshold Limit Value
PEL = Permissible Exposure Limit
TWA = Time Weighted Average
STEL = Short-Term Exposure Limit

BAc = Butyl acetate

NIOSH = National Institute for Occupational Safety and Health

ppm = parts per million

IARC = International Agency for Research on Cancer.

The information contained herein relates only to the specific material identified. Duraco, Inc. believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Duraco, Inc. urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.