



MATERIAL SAFETY DATA SHEET

PRODUCT
SPRAY GUM SOLVE 2114/2014

THE PENRAY COMPANIES, INC. 440 DENNISTON COURT WHEELING, IL 60090 847-459-5000

12/11/98

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

MSDS: 2114

Formula: SEE SECTION 2

Part Number: 2114/2014

Synonyms:

DESCRIPTION: AEROSOL CARBURETOR CLEANER CONTAINING ORGANIC SOLVENTS

Manufacturer

THE PENRAY COMPANIES, INC.
 440 DENNISTON COURT
 WHEELING, IL 60090

Phone: 847-459-5000
 Emergency: 1-800-752-7869

Supplier

THE PENRAY COMPANIES, INC.
 440 DENNISTON COURT
 WHEELING, IL 60090

Phone: 847-459-5000
 Emergency: 1-800-752-7869

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT NAMES	% OF PRODUCT			EXPOSURE LIMITS			
				OSHA TWA		ACGIH	
				PPM	MG/M3	PPM	MG/M3
TOLUENE							
CAS No.: 108883							
TLV/PEL SKIN DESIGNATION	BT	30	35	100	375	100	375
XYLENE							
CAS #: 1330207	BT	10	15	100	434	100	434
CARBON DIOXIDE							
CAS #: 124389	BT	5	19	5000	9000	5000	9000
N-METHYLPYRROLIDONE							
CAS #: 872504	BT	1	5	NG	NG	100	NG
2-BUTOXYETHANOL							
CAS No.: 111762							
TLV/PEL SKIN DESIGNATION	BT	1	5	25	NG	50	NG
ACETONE							
CAS #: 67641	BT	30	35	750	1800	750	1750

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SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Harmful if inhaled, swallowed, or absorbed through skin. Components in this product may exert toxic effect through skin absorption. 2-Butoxyethanol has been shown to produce blood changes. Toluene has narcotic effect on the nervous system.

POTENTIAL HEALTH EFFECTS

CARCINOGENICITY: Product not considered a carcinogen by OSHA, NTP, or IARC.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE: Pre-existing eye or skin conditions may be aggravated by over-exposure to this product.

TARGET ORGANS: Nervous system, liver, lungs, kidneys.

PRIMARY ENTRY ROUTES: Skin absorption and inhalation.

ACUTE HEALTH EFFECTS

EYE CONTACT: Will cause irritation upon contact.

SKIN CONTACT: Prolonged or repeated contact with skin can cause irritation.

INHALATION: Respiratory irritation and dizziness.

INGESTION: This product may be harmful or fatal if swallowed. May cause discomfort, nausea, vomiting, and diarrhea.

CHRONIC HEALTH EFFECTS: Overexposure to the ingredients in this product may cause liver abnormalities and kidney damage

HMIS Ratings:

2 HEALTH	4 FLAMMABILITY	0 REACTIVITY
0=Insignificant	1=Slight	2=Moderate
	3=High	4=Severe

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for 15 minutes. Seek medical attention.

SKIN CONTACT: Wash area with soap and water. Seek medical attention if irritation persists.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.

INGESTION: DO NOT induce vomiting. Give CONSCIOUS victim glass of water and seek medical attention. NEVER give water to unconscious victim.

SECTION 5 - FIRE FIGHTING MEASURES

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Closed Cup Flash Pt. .:	BT	1 F	45 F
Open Cup Flash Point .:	NG		
Fire Point	NG		
Auto Ignition	NG		
Lower Explosion Limit :	NG		
Upper Explosion Limit :	NG		

EXTINGUISHING MEDIA: Carbon dioxide, Dry Chemical, Foam.**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:** Vapors are heavier than air and can collect in low areas.**FIRE FIGHTING INSTRUCTIONS:** Containers can build up pressure if exposed to fire. Containers should be cooled with water spray.**FIRE FIGHTING EQUIPMENT:** Self contained breathing apparatus with full face piece operated in positive pressure mode.**SECTION 6 - ACCIDENTAL RELEASE MEASURES****SPILL/LEAK PROCEDURES:** Notify safety personnel, evacuate all unnecessary personnel and provide adequate ventilation. If feasible and without risk, clean-up personnel should stop leak. All clean-up personnel should wear proper personal protective equipment.**SMALL SPILL:** Clean with inert absorbant and place in recovery drums for disposal.**LARGE SPILL:** Dike to prevent further migration of material. Do not release into waterways or sewers. Follow applicable regulation 20CFR1910.120.**NOTE:** Product in aerosol container. Spill hazard unlikely.**SECTION 7 - HANDLING AND STORAGE****STORAGE REQUIREMENTS:** Store in clean, dry locations away from excessive heat. Store in areas designated for the storage of (Level II) Aerosols according to NFPA 30B (Manufacture and Storage of Aerosol Products).**HANDLING PRECAUTIONS:** Wash thoroughly after handling. Do not get into eyes, on skin, or on clothing. Do not smoke while using this product. Do not use near excessive heat, sparks, or open flame.**SECTION 8 - EXPOSURE CONTROLS/PERSONNAL PROTECTIVE EQUIPENT****ENGINEERING CONTROLS:** Eye wash station and safety shower.

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VENTILATION: Strong general or local exhaust ventilation.**PERSONAL PROTECTIVE EQUIPMENT****EYE PROTECTION:** Chemical splash goggles with indirect or no ventilation.**SKIN PROTECTION:** Chemical resistant gloves such as nitrile.**RESPIRATORY PROTECTION:** Wear organic vapor respirator when working with this product.**COMMENTS:** Never eat, drink, or smoke in work areas.**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point	BT	232 F	279 F
Specific Gravity	BT	0.785	0.870
Vapor Pressure	BT	22	181
Vapor Density	>	1	
Percent Volatiles		100%	
Evaporation Rate	NG		
pH	NG		
Molecular Weight	NG		
Solubility in Water ...	PARTIALLY		
Odor/Appearance/Other Characteristics:			

COLORLESS LIQUID, ORGANIC SOLVENT ODOR**SECTION 10 - STABILITY AND REACTIVITY INFORMATION****STABILITY:** Material is stable**POLYMERIZATION:** Hazardous polymerization cannot occur.**CHEMICAL INCOMPATIBILITIES:** Strong oxidizing agents.**CONDITION TO AVOID:** Excessive heat and open flame.**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, Carbon Dioxide, various hydrocarbons.**SECTION 11 - TOXICOLOGICAL INFORMATION****---CHEMICAL NAME---**

Toluene

Carbon Dioxide

N-Methylpyrrolidone

---LD50---

7.71 mg/kg (oral)

no data

4200 mg/kg (oral)

SECTION 12 - ECOLOGICAL INFORMATION

No data.

SECTION 13 - DISPOSAL CONSIDERATIONS

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As a waste, this product =DOES MEET= the criteria of a hazardous waste as defined by RCRA (40CFR361).

EPA Waste Code: D001

Dispose of in accordance with all applicable state, federal and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Shipping Regulations

UN/NA Number: UN1959
DOT Hazard Class: ORM-D
Shipping Label: NONE
Shipping Name:

DOMESTIC (DOT): Consumer Commodity ORM-D

EXPORT (IMO): Aerosols, Class 2.1, UN 1950, Limited Quantity.

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA: Considered hazardous as defined by 29CFR1910.1200

EPA SARA Title III

Section 311-312 (40CFR370): If stored in excess of the threshold quantities, this product should be reported as a(n)

- Immediate (acute) health hazard
- Delayed (chronic) health hazard
- Sudden Release Hazard
- Fire Hazard

Section 313 (40CFR372): This product contains the following ingrediants which are subject to the reporting requirements of SARA 313:

- Toluene
- Xylene
- 2-Butoxyethanol

EPA National VOC Emission Standards (40CFR59). Product meets definition per 40CFR59.202. VOC content 57% by weight.

STATE REGULATIONS

California Proposition 65: This product contains the following ingredient which is listed on current Propostion 65 list:
- Toluene

SECTION 16- OTHER INFORMATION

Preparer's Name & Title: PAUL ZOUBEK
Preparation Date: 12/14/98
MSDS NUMBER: 2114

REVISION: 8

NOTES: NG = "Not Given"

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< = "Less than"
> = "Greater than"

USER'S RESPONSIBILITY: This MSDS provides environmental, health, and safety information. This product is to be used in applications consistent with our product literature and container label. Individuals handling this product should be informed to the recommended safety precautions and have access to this MSDS. Please contact your local sales representative or our Environmental, Health and Safety department for further information.

END OF MSDS