

**ROYSTON® DIVISION OF CHASE CORPORATION
MATERIAL SAFETY DATA SHEET**

Product: Roybond 747 Adhesive Aerosol

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY: ROYSTON DIVISION OF CHASE CORP.
128 FIRST STREET
PITTSBURGH, PA 15238

GENERAL INFORMATION: (412) 828-1500

EMERGENCY, CHEMTREC: 800-424-9300, Only in the event of chemical emergencies involving a spill, leak, fire, exposure or any accident involving chemicals. Outside USA: (703) 527-3887

REVISION DATE: April 12, 2007
PREPARED BY: Frederick F. Fischer, Jr.

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NUMBER	IDENTIFICATION	APP. % BY WGT.
108-88-3	Toluene	10-15
78-93-3	Methyl Ethyl Ketone	< 5
999-93-3	Hexamethyldisilazane	< 0.5
65996-93-2	Coal Tar Pitch*	< 5
67-64-1	Acetone	25-30
1330-20-7	Xylene	10-15
100-41-4	Ethylbenzene	< 1
74-98-6	Propane	15-20
106-97-8	Butane	15-20
1333-86-4	Carbon Black	< 5

* Listed as known Carcinogen

3. HAZARDOUS IDENTIFICATION

HAZARDOUS POLYMERIZATION: Will Not Occur

ROUTES OF EXPOSURE: Inhalation, Skin, Eyes and Ingestion.

IMMEDIATE EFFECTS:

INHALATION: Causes irritation of nasal passages and throat. Causes stupor (central nervous system depression).

SKIN CONTACT: Can cause moderate skin injury (reddening and swelling).

EYE CONTACT: Liquid and vapors are irritating to eyes. Can cause severe injury.

INGESTION: Can cause mental sluggishness.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

ACUTE: Can Cause severe eye irritation, redness, tearing, and blurred vision. Excessive inhalation of vapors can cause nausea, respiratory irritation, central nervous system affects, including dizziness, weakness, fatigue, nausea, headache, and possible unconsciousness and even death. Swallowing can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis, which is fatal.

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CHRONIC: Prolonged and repeated skin contact can cause moderate irritation, defatting and dermatitis. Overexposure in laboratory animals has been found the cause of the following affects: Liver abnormalities, kidney damage, lung damage, and spleen damage. Overexposure to this material has been suggested as a cause for liver abnormalities in humans. Prolonged or repeated contact may lead to dermatitis, and with poor hygiene practices, to skin cancer. An Ingredient in this material has been listed as a carcinogen by IARC, NPT, QSHA, and ACGIH.

4. FIRST AID MEASURES

GENERAL ADVICE: Consult Physician immediately.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. Move to an area free from risk of further exposure. Treat symptomatically. Administer oxygen or artificial respiration as needed. **SEEK MEDICAL ATTENTION.**

SKIN CONTACT: Repeated or prolonged contact can cause drying of skin and dermatitis. Remove contaminated clothing and launder thoroughly before reuse. Wash affected skin thoroughly with soap and water. **DO NOT USE SOLVENTS** on skin as they may promote absorption of this material. For severe exposure, get under safety shower after removing clothing, and then **SEEK MEDICAL ATTENTION** if irritation develops or persists after the area has been washed.

EYE CONTACT: Remove contact lenses. Flush eyes with large amounts of water, preferably lukewarm water, for at least 15 minutes. Refer individual to a physician or ophthalmologist for immediate follow up. **SEEK MEDICAL ATTENTION.**

INGESTION: **DO NOT INDUCE VOMITING.** Give 1-2 cups of milk or water to drink. **DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION.**

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Foam, Carbon Dioxide or dry chemical. Use self-contained breathing apparatus if applicable.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: Stable.

SENSITIVITY TO STATIC DISCHARGE: Expected to be sensitive to static discharge when vapors are present between the lower and upper explosive limits.

6. ACCIDENTAL RELEASE MEASURES

PRECAUTIONS FOR PERSONNEL: Wear protective clothing. Use self-contained breathing apparatus if required.

ENVIRONMENTAL PRECAUTIONS: Avoid discharge to drains, sewers and natural water supply.

PROCESS FOR CLEANING: Absorb with inert material. Remove sources of ignition. Scoop material with non-sparking tools.

7. HANDLING AND STORAGE

HANDLING: Ventilate work area sufficiently. Keep containers closed. Avoid contact with eyes, skin and clothing.

STORAGE: Store between -15°C and +35°C for solvent based coatings and thinners. Ground all metal containers. 55-gallon drums may be stored on their sides in a cradle designed for this purpose.

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8. EXPOSURE RESTRICTIONS AND PERSONAL PROTECTION
MATERIALS WITH LIMITS THAT REQUIRE SUPERVISION:

CAS NUMBER	IDENTIFICATION	APP. % BY WGT.	NIOSH REL	VALUE	UNIT
108-88-3	Toluene	10-15	TWA	50	ppm
78-93-3	Methyl Ethyl Ketone	< 5	TWA	200/590	ppm(mg/m ³)
999-93-3	Hexamethyldisilazane	< 0.5	TWA	0.2	mg/m ³
65996-93-2	Coal Tar Pitch*	< 5	TWA	0.2	mg/m ³
67-64-1	Acetone	25-30	TWA	750	ppm
1330-20-7	Xylene	10-15	TWA	100	ppm
100-41-4	Ethylbenzene	< 1	TWA	100	ppm
74-98-6	Propane	15-20	TWA	1000	ppm
106-97-8	Butane	15-20	TWA	800	ppm
1333-86-4	Carbon Black	< 5	TWA	3.5	mg/m ³

ADDITIONAL ADVICE: Use personal protective equipment, i.e., suitable work clothing, eye goggles and protective gloves. If spraying utilize protective facemask.

9. PHYSICAL PROPERTIES

ODOR: AROMATIC

CHANGE OF STATE	VALUE/AREA	UNIT	METHOD
FREEZING POINT:	N/A	°C	
BOILING POINT:	-17.78 -114.5 (0-238)	°C (°F)	
FLASH POINT:	-17.78 (0) Propellant	°C (°F)	
IGNITION TEMPERATURE:			
SPECIFIC GRAVITY:	0.75	H ₂ O = 1	
% VOLATILE BY VOLUME:	85-95	%	
SOLUBILITY IN WATER:	NEGLIGIBLE		
PH VALUE:	N/A		
VISCOSITY:		CPS	
FLAMMABLE LIMITS:	LEL 1.0 UEL 12.8		
EVAPORATION RATE:	Faster than ether	BUAC = 1	

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Sparks and Open Flame.
MATERIALS TO AVOID: Contact with strong oxidizing, acidic or alkaline agents.
DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen.
EYES: Splashes or spray vapors may cause irritation.
SKIN: Substance may be an irritant for sensitive skin.
INHALATION: May cause mild nausea/dizziness in some people when used in confined/unventilated areas. Move patient to fresh air. Give nothing by mouth.
CONSUMPTION: If accidentally swallowed may cause discomfort and requires plenty of water or milk to dilute. Do not induce vomiting. Seek medical assistance.

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11. TOXICOLOGICAL INFORMATION

CAS NUMBER	IDENTIFICATION	DERMAL LD50	INHALATION LC50	ORAL LD50
108-88-3	Toluene	12.3 g/kg (rabbit)	4959 ppm (Rat)	7.0 g/kg (Rat)
78-93-3	Methyl Ethyl Ketone	6,480 mg/kg (Rabbit)	23,500 mg/m ³ (Rat)	2,740 mg/kg (Rat)
999-93-3	Hexamethyldisilazane	710 µl/kg (Rat)	8,700 mg/m ³ /4H (Rat)	850 mg/m ³ (Rat)
65996-93-2	Coal Tar Pitch*	N/E	17 mg/m ³ (Rat)	6,200 mg/kg (Rat)
67-64-1	Acetone	9400 g/kg (Guinea Pig)	50,100 mg/M ³ /8H	5,340 mg/M ³ (Rabbit)
1330-20-7	Xylene	12.2g/kg (Rabbit)	4,550 ppm (Rat)	4.3g/kg (Rat)
100-41-4	Ethylbenzene	15.4 g/kg (Rabbit)	2,624 mg/m ³ (Rat)	3.5 mg/kg (Rat)
74-98-6	Propane	N/E	N/E	N/E
106-97-8	Butane	N/E	N/E	N/E
1333-86-4	Carbon Black	N/E	27,000 mg/M ³ (Rat)	> 8,000 mg/kg (Rat)

CAS NUMBER	IDENTIFICATION	CARCINOGENICITY ACGIH	IARC	TERATOGENICITY	MUTAGENICITY
108-88-3	Toluene	N/E	N/E	Yes	N/E
78-93-3	Methyl Ethyl Ketone	N/E	N/E	N/E	N/E
999-93-3	Hexamethyldisilazane	N/E	N/E	N/E	N/E
65996-93-2	Coal Tar Pitch*	Yes	Yes 2 B	N/E	Yes
67-64-1	Acetone	N/E	N/E	N/E	N/E
1330-20-7	Xylene	N/E	N/E	N/E	N/E
100-41-4	Ethylbenzene	Yes	Yes 2 B	N/E	N/E
74-98-6	Propane	N/E	N/E	N/E	N/E
106-97-8	Butane	N/E	N/E	N/E	N/E
1333-86-4	Carbon Black	Yes	Yes 2 B	Yes	N/E

12. ECOLOGICAL INFORMATION

VOLATILE ORGANIC COMPOUNDS: 624 Grams Per Liter (g/l), 5.29 Pounds Per Gallon (lb/g).

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be made in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

SHIPPING	AIR	OCEAN	TRUCK
Proper Shipping Name	AEROSOLS, FLAMMABLE	AEROSOLS	CONSUMER COMMODITY
Hazardous Code			
UN Number	UN 1950	UN 1950	None
IMDG Page:		2102, LTD QTY 910	
Outer Packaging	15 KG	STRONG INDUSTRIAL PACKAGING	STRONG INDUSTRIAL PACKAGING
Markings			MARK ON PACKAGE
Label	FLAMMABLE GAS	NO LABEL	OMR-D NO LABEL