

# MATERIAL SAFETY DATA SHEET

FOR COATINGS RESINS AND RELATED MATERIALS

**PRODUCT NAME:** Randolph G-6303 Rand-O-Fill Non-Tautening Silver Butyrate  
**PRODUCT CODE:**  
UN1263 PAINT, 3, PG II  
**FLAMMABLE LIQUID**

**HMIS CODES:** H-2 F-3 R-0 PP-I  
**PRODUCT CLASS:** 3 (Butyrate Dope)

## SECTION I - MANUFACTURER IDENTIFICATION

**PREPARED BY:** Consolidated Aircraft Coatings  
P.O. Box 3129, Riverside, CA 92519  
**STREET ADDRESS:** 4343 Fort Drive, Riverside, CA 92509

**DATE OF PREP:**  
01/03/11  
**NAME OF PREPARER:** Greg Albarian

**EMERGENCY TELEPHONE NO. - Chemtrec (800) 424-9300, Int'l (703) 527-3887 (International Call Collect)**  
**INFORMATION TELEPHONE NO. - (951) 684-4280 (951) 809-7144 (760) 782-1947**

## SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	OCCUPATIONAL			VAPOR		TOXICITY DATA
	EXPOSURE LIMITS	ACGIH-TLV	WT. %	PRESSURE		
Acetone* (CAS #67-64-1)	750 PPM	750 PPM	15-45	181mmHg @68°F	Moderate	
Methyl Ethyl Ketone* (CAS #78-93-3)	200 PPM	200 PPM	1-30	77.5mmHg @68°F	Narcotic by inhalation	
Diacetone Alcohol*(CAS #123-42-2)	50 PPM	50 PPM	<9	.81mmHg @68°F	Mod.Skin irritant	
Methyl Isobutyl Ketone*(CAS #108-10-1)	50 PPM	50 PPM	2-22	28mmHg @68°F	High Inhal.ingestion	
Glycol Ether PM Acetate (CAS #108-65-6)	Not Established	150 PPM	2-32	3.70mmHg @ 77°F	Not Established	
Isopropanol*(CAS #67-63-0)	400 PPM	400 PPM	10-40	33mmHg @68°F	Mod.Ingest.inhal.	
Toluene* (CAS #108-88-3)**	100 PPM"S"	50 PPM	6-36	54mmHg @68°F	Mod.Ingest. Inhal.skin	
N-Butyl Acetate* (CAS #123-86-4)	150 PPM	150 PPM	<5	10mmHg @68°F	Mod.Skin irritant	
Ethyl Acetate* (CAS #141-78-6)	400 PPM	400 PPM	1-30	73mmHg @68°F	Mod.Inhalation	
Aluminum* (CAS #7429-90-5)	15 MG/M3	10 MG/M3	2-32	N/A		

\*This material is subject to the reporting requirements of section 313 of the Emergency Planning and the Community Right-To-Know Acts of 1986 and of 40 CFR 372.

This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

## SECTION III - PHYSICAL DATA

**BOILING RANGE:** 133-337° F  
**VAPOR DENSITY:** Heavier than air  
**COATING V.O.C.:** 6.71 lb/gal 756.20 gr/l  
**MATERIAL V.O.C.:** 5.11 lb/gal 612.39 gr/l  
**APPEARANCE AND ODOR:** Silver color. Ketone odor.

**SPECIFIC GRAVITY (H<sub>2</sub>O= 1):** .88  
**EVAPORATION RATE:** Slower than ether  
**SOLUBILITY IN WATER:** Insoluble

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** 1.4° F (-17° C) **METHOD USED:** TCC  
**FLAMMABLE LIMITS IN AIR BY VOLUME:** LOWER: 1.0 UPPER: N/A  
**EXTINGUISHING MEDIA:** Alcohol foam, CO<sub>2</sub>, Dry Chemical  
**SPECIAL FIREFIGHTING PROCEDURES:** Isolate from heat, sparks, electrical equipment and open flame. Water is not usually effective in fighting liquid fires. Do not use a direct stream of water. Product may float and can be reignited on the surface of the water. Do not enter a confined area without full bunker gear including a positive-pressure NIOSH-approved self-contained breathing apparatus. Decomposition products may form toxic materials.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Water spray may be used to cool closed containers to help prevent explosion when exposed to extreme heat. Never use welding or cutting torch on or near drum (even empty) because residue or product can ignite explosively. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, flames and other ignition sources at locations distant from the material handling point. Flammable material.

## SECTION V - HEALTH HAZARD DATA

**NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.  
**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Irritating to eyes, skin, nose and throat. Headache, dizziness and nausea can result from inhalation. Repeated or prolonged skin contact may result in dryness possibly leading to dermatitis. Central nervous system effects including excitation, euphoria, contracted eye pupil dizziness, blurred vision, fatigue, nausea, headache, loss of consciousness, respiratory arrest and sudden death could occur of long term and/or high concentration exposures vapors.  
**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Contact with the skin or eyes may cause irritation. Prolonged or repeated contact can cause moderate irritation, defatting and/or dermatitis. Skin and eyes should be flushed with water for at least 15 minutes.  
**INGESTION HEALTH RISK AND SYMPTOMS OF EXPOSURE:** Toxic if ingested. If Methanol is listed in Sec. II, may be fatal or cause blindness if swallowed; cannot be made non-poisonous. If product contains Toluene or Styrene, may affect liver, kidneys or

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blood. If MEK is listed in Sec II, MEK has caused cancer in certain animal tests. Preexisting eye, skin, heart, central nervous system and respiratory disorders may be aggravated by exposure to this product.

HEALTH HAZARDS (ACUTE AND CHRONIC): Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents of this product may be harmful or fatal. Overexposure may cause anesthesia, headache, nausea or dizziness. Breathing the vapors may irritate the nose and throat. Detectable amounts of chemicals or substances known to the state of California to cause cancer, birth defects, or other reproductive harm may be found in this product. Use care when handling chemical and petroleum products even though they are water reducible.

CARCINOGENICITY: NTP CARCINOGEN: N/A IARC MONOGRAPHS: N/A OSHA REGULATED: N/A MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE TO THIS PRODUCT: Preexisting eye, skin, heart, central nervous system and respiratory disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Remove to fresh air. Restore breathing. Consult physician. If breathing stops give artificial respiration. Keep person warm.

Splash (Eye): Flush with water for at least 15 minutes. Consult physician.

Splash (Skin): Wash with soap and water. Remove contaminated clothing. Consult physician if irritation persists.

Ingestion: Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs. Never give anything by mouth to an unconscious person. Vapors may irritate the nose and throat. Consult physician or poison control center immediately.

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## **SECTION VI - REACTIVITY DATA**

STABILITY: Stable

CONDITIONS TO AVOID: None reasonably foreseeable.

INCOMPATIBILITY (MATERIALS TO AVOID): If product contains aluminum, do not contaminate with acids, caustics, chlorinated hydrocarbons or oxidizers as these materials will react with aluminum to produce hydrogen and heat. Avoid strong alkalines or strong oxidizers. This material may dissolve some plastics, rubber compounds or coatings. May react strongly with acids while in liquid form.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Mostly CO<sub>2</sub> with some CO.

HAZARDOUS POLYMERIZATION: N/A

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## **SECTION VII - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all spark sources, flames and hot surfaces.

Maintain adequate ventilation. Avoid breathing vapors. Add absorbent to spill area. Recover free liquid. Keep chemical products out of streams and waterways. Flush with water to a tank or to an opened well-ventilated area. Absorb or remove to container and dispose of properly in conformity with local government restrictions.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Incinerate if permitted or bury in a sanitary landfill. Consult a disposal expert. For highway or road spill, contact Chemtrec at (800) 424-9300.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid storage in high temperature areas or near fire or open flame. Keep container closed. Use only with adequate ventilation. Store in tightly closed containers in cool, dry, isolated, well-ventilated area away from heat or flame, sources of ignition and incompatible materials. Transfer small amounts left over into small containers. Ground lines, containers and other equipment during product transfer. Do not store in glass containers due to the danger of breaking. Do not pour into containers that held highly flammable materials; static electricity may result. Use good hygiene practices. Wash hands before eating, drinking, etc.

OTHER PRECAUTIONS: Avoid contact with eyes and prolonged or repeated contact with skin. Avoid prolonged or repeated breathing of vapor. Keep containers tightly closed. Replace all bungs tightly before shipping or storing. Avoid contact with amines.

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## **SECTION VIII - SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: Unless air monitoring demonstrates vapor/dust/mist levels below the current PEL or TLV values, always wear an appropriate, properly fitted (NIOSH/MSHA-approved) respirator during use to prevent overexposure. Avoid prolonged or repeated breathing of vapors. In accordance with 29 CFR 1910.134, use air-purifying and particle-collecting respirator.

VENTILATION: Should be explosion proof and keep the air contaminant concentration below current OSHA Permissible Exposure Limit (PEL) or ACGIH's Threshold Limit Value (TLV). A spray booth is recommended.

PROTECTIVE GLOVES: Use rubber or neoprene gloves to prevent skin contact. Use gloves that will resist the product.

EYE PROTECTION: Chemical safety goggles (or glasses with side shields) or face shields to prevent eye splashes.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Remove and wash contaminated clothing before re-use. Avoid contact with eyes. Wear eye protection devices. If required, wear chemical resistant gloves and other clothing.

WORK/ HYGIENIC PRACTICES: Wash hands with soap and water before eating, smoking or using toilet facilities. Dispose of contaminated clothing as soon as possible.

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## **SECTION IX - DISCLAIMER**

Above information is based on data supplied to us and is believed to be correct. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. It is the user's obligation to determine the safe use of it.