




# Safety Data Sheet

RF 34

## Section 1. Identification

Product Identifier	RF 34		
Synonyms	Tertiary amine		
Manufacturer Stock Numbers	10089; 10087		
Recommended use	N/A		
Uses advised against	Avoid strong acids, (ie. acetic acid, citric acid etc.) Mineral acids Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.		
Manufacturer Contact			
Address	Resin Formulators 18027 Bishop Avenue Carson, CA, 90746 USA		
	Phone	Emergency Phone	Fax
	(310) 204-6159	(800) 424-9300 CHEMTREC	(310) 202-7247
	Email	Website	
	sales@evroberts.com	http://www.evroberts.com	

## Section 2. Hazards Identification

Classification	EYE DAMAGE/IRRITATION - Category 2B FLAMMABLE LIQUIDS - Category 4 SKIN CORROSION/IRRITATION - Category 3
Signal Word	Warning
Pictogram	

Hazard Statements	Causes mild skin irritation Combustible liquid Moderately irritating to eyes
Precautionary Statements	
Response	If skin irritation occurs: Get medical advice/attention. In case of fire: Use ... to extinguish.
Prevention	Keep away from heat. Wear protective gloves/eye protection/face protection
Storage	Store in a well-ventilated place. Keep cool.
Disposal	Dispose of contents/container to ...

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

Aggravated Medical Condition Skin disorders and Allergies, Adverse skin effects (such as rash, irritation or corrosion), adverse eye effects (such as conjunctivitis or corneal damage), Eye disease.

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
51365-70-9	2,4,6-tris[(dimethylamino)methyl]phenol tri (2-ethylhexoate)	100 %

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-Aid Measures

General advice	Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
Eye	Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses.
Skin Contact	Wash off immediately with plenty of water for at least 20 minutes. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay.
Ingestion	Prevent aspiration of vomit. Turn victim's head to the side.
Inhalation	Move person to fresh air.

## Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Dry sand Limestone powder.  Specific hazards: May generate ammonia gas. May generate toxic nitrogen oxide gases. Incomplete combustion may form carbon monoxide. Downwind personnel must be evacuated. Burning produces noxious and toxic fumes.  Special protective equipment for fire-fighters: Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.
Unsuitable Extinguishing Media	N/A

## Section 6. Accidental Release Measures

Personal precautions	Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.
Environmental Precautions Methods for cleaning up	Construct a dike to prevent spreading Contact Air Products Emergency Response Center for advice. Place in appropriate chemical waste container.
Additional Advice	If possible, stop flow of product

## Section 7. Handling and Storage

Handling	Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, drink or smoke.
Storage	Store in steel containers preferably located outdoors, above ground, and surrounded by dikes to contain spills or leaks. Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.
Technical measures/Precautions	Do not store in reactive metal containers

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	2,4,6-tris[(dimethylamino)methyl]phenol tri (2-ethylhexoate)	N/A	N/A	N/A
Personal Protective Equipment Engineering Measures  Respiratory Protection Hand protection  Eye protection Skin and Body Protection Environmental exposure controls Special Instructions for protection and hygiene	Goggles, Gloves, Apron, Face Shield, CHEMICAL GOGGLES, PROTECTIVE CLOTHING Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits. Not required for properly ventilated areas. Neoprene gloves. Butyl-rubber. Nitrile rubber. Impervious gloves. The breakthrough time of the selected glove(s) must be greater than the intended use period. Chemical resistant goggles must be worn. Long sleeve shirt and trousers without cuffs. Construct a dike to prevent spreading. Discard contaminated leather articles. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Provide readily accessible eye wash stations and safety showers. Wash at the end of each workshift and before eating, smoking or using the toilet.			

## Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Amber
Odor	Ammoniacal
Odor Threshold	N/A
Solubility	0.025 g/l
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	600 mPa.s at 77°F (25°C)
Specific Gravity	N/A
Density lbs/Gal	59.931
Pounds per Cubic Foot	N/A
Flash Point	>135°C
FP Method	N/A
Ph	N/A
Melting Point	N/A
Boiling Point	> 392°F (> 200°C)
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	<0.01 mmHg at 70°F (21° C)
Vapor Density	86.2025

## Section 10. Stability and Reactivity

Chemical Stability	Stable under normal conditions.
Materials to Avoid	Organic acids (i.e.: acetic acid, citric acid, etc.). Mineral acids. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Oxidizing agents.
Hazardous Decomposition Products	Nitric Acid. Ammonia. Nitrogen Oxides (NOx). Nitrogen Oxides can react with water vapors to form corrosive nitric acid. Carbon Monoxide. Carbon Dioxide (CO2).

## Section 11. Toxicological Information

### Acute Health Hazard

Ingestion:  
LD50: 7,500 mg/kg  
Species: Rat

Inhalation:  
No data is available on the product itself.

Dermal:  
LD50: >2,000 mg/kg  
Species: Rat  
Method: Estimated

Eye irritation/corrosion: Moderate eye irritation.

Skin irritation/corrosion: Moderate skin irritation.

## Section 12. Ecological Information

### Ecotoxicity Effects

Aquatic Toxicity: No data is available on the product itself.  
Toxicity to other organisms: No data available.

### Persistence and degradability

Biodegradability: No data is available on the product itself.

Mobility: No data available

Bioaccumulation: No data is available on the product itself.

## Section 13. Disposal

### Waste from residues / unused products

Contact supplier if guidance is required.

### Contaminated packaging

Dispose of container and unused contents in accordance with federal, state, and local requirements.

## Section 14. Transport Information

### UN Number

N/A

### UN Proper Shipping Name

N/A

### DOT Classification

N/A

### Packing Group

N/A

### Further Information

Not dangerous goods. The transportation information is not intended to convey all specific regulatory data relating to this material.

## Section 15. Regulatory Information

TSCA 12(b) Components	None
OSHA Hazard Communication Standard	OSHA Hazard Communication Standard (29 CFR 1910.1200) Hazard Class (es): Irritant
Regulatory Information	USA (TSCA) Included on inventory EU (EINECS) Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer Canadian (DSL) Included on Inventory. Australia (AICS) Included on Inventory. Japan (ENCS) Included on Inventory. South Korea (ECL) Included on Inventory. China (SEPA) Included on Inventory. Philippines (PICCS) Included on Inventory.
EPA SARA Title III Section 312	EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification: Acute Health Hazard EPA SARA Title III Section 313 (40 CFR 372) Component above 'de minimus level': NONE
U.S.Prop 65	U.S. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65) This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other harm.
WHMIS Hazard Classification	Toxic Material Causing Other Toxic Effects

## Section 16. Other Information

Revision Date	4/23/2015
HMIS Rating (Not Regulated)	The HMIS Rating for this product is: Health: 2 Flammability: 1 Reactivity: 0

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