Material Safety Data Sheet

X-304

Manufacturer's Name	SIKKENS AEROSPACE FINISHES DIVISION	Emergency Telephone No.	(213) 320-6800
Address	20846 S. Normandie Avenue Torrance, California 90502	Other Information Calls	(213) 320-6800
Signature of Person Responsible for Preparation	Antonio U. Sebastian	Date Prepared	November, 1985

SECTION 1 - IDENTITY

Common Name: (used on label) Amine Catalyst

Metal Free [X]
Metal Bearing [ ]

Trade Name & Synonyms: Curing Solution for 400-3 Series

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) (chemical & common names)	Cas No.	% Wt.	ACGIH Threshold Limit Value PPM	ACGIH Threshold Limit Value MG/M³	OSHA Permissible Exposure Limit PPM	OSHA Permissible Exposure Limit MG/M³	LEL	Vapor Pressure (mm Hg)
Flammable Liquid Class IB								
Methyl Ethyl Ketone	78-93-3	25-30	200	590	200	590	1.8	70
n Butyl Alcohol (Skin)	71-36-3	20-25	C50	C150	100	300	1.7	4
n Butyl Acetate	123-86-4	20-25	150	710	150	710	1.7	8
2 Butoxyethanol (Skin)	111-76-2	10-15	25	120	50	240	1.1	1
Toluene (Skin)	108-88-3	5-10	100	375	--	--	1.2	22
Diethylene Triamine	111-40-0	<1	1	4	--	--	1.4	<1

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Range: 176 to 340° F

Specific Gravity (H₂O=1): 0.85

Vapor Pressure (mm Hg): 1 to 70

Percent Volatile by Volume (%): 75

Vapor Density (Air = 1): >1

Evaporation Rate (_____ = 1): Slower than ether

Solubility in Water: Negligible

Reactivity in Water: Negligible

Appearance and Odor: Straw Clear, Amine, Ketone odor

Flash Point: 23°F. TCC

Flammable Limits in Air % by Volume: Lower 1.0, Upper -

Extinguisher Media: Foam, CO_2, Dry Chemicals

Auto-Ignition Temperature: NE

Special Fire Fighting Procedures: Use water spray only to cool surface and protect personnel. Exclude air. Steam and/or water fog may be used.

Unusual Fire and Explosion Hazards: Do not use water. Vapor forms explosive mixture with air between upper and lower explosion limits. Unopened containers may rupture when hot.

SECTION 4 - PHYSICAL HAZARDS

Stability: Unstable ☐ / Stable ☒ — Conditions to Avoid: Storage at high temperature.

Incompatability (Materials to Avoid): Strong oxidizing agents. Inorganic acids. Sparks and open flames.

Hazardous Decomposition Products: On combustion CO, CO_2, Oxides of nitrogen.

Hazardous Polymerization: May Occur ☐ / Will Not Occur ☒ — Conditions to Avoid: None

SECTION 5 - HEALTH HAZARDS

Threshold Limit Value: See Section II

Signs and Symptoms of Exposure — 1. Acute Overexposure: Headache, nausea, dizziness, skin irritation.

2. Chronic Overexposure: Severe burning at the eyes, nose throat and skin irritation.

Medical Conditions Generally Aggravated by Exposure: Chronic respiratory disease. Sensitive skin may develop dermatitis.

Chemical Listed as Carcinogen or Potential Carcinogen: None

National Toxicology Program: Yes ☐ No ☒

I.A.R.C. Monographs: Yes ☐ No ☒

OSHA: Yes ☐ No ☒

OSHA Permissible Exposure Limit: See Section II

ACGIH Threshold Limit Value: See Section II

Other Exposure Limit Used:

Emergency and First Aid Procedures

1. Inhalation: Remove victim to fresh air, administer oxygen. Consult physician.

2. Eyes: Flush with copious amounts of water for at least 15 minutes. Consult physician.

3. Skin: Remove contaminated clothing. Flush skin with water.

4. Ingestion: Consult physician immediately. Do Not Induce Vomiting.

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Air supplied, self contained respirator in confined areas.

Ventilation: To keep contaminated concentration below the TLV

Mechanical (General): Explosion proof ventilation

Special

Other: equipment.

Protective Gloves: Chemically resistant.

Eye Protection: Safety glasses, goggles or face shield.

Other Protective Clothing or Equipment: Long sleeves, protective apron, eye bath and safety shower.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: Keep containers closed when not in use. Do not handle or store near flames, heat, strong oxidents. Adequate ventilation required.

Other Precautions: Empty containers may be hazardous; fumes are very flammable. all equipment should be electrically grounded. DO NOT WELD EMPTY CONTAINERS.

Steps to be Taken in Case Material is Released or Spilled: Eliminate source of ignition. Ventilate area. Prevent from entering sewers or drains. Contain spills with sawdust or other absorbant. Clean area.

Waste Disposal Methods: Treat as hazardous waste. Consult chemical waste disposal and/or treatment entity. Refer to Section VI.

IMPORTANT
Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.