



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: POLYESTER AIRCRAFT COATING Product Code: 22FF100

MANUFACTURER

Drew Paints, Inc.
P.O. Box 29139
Portland, OR 97296-9139

INFORMATION PHONE: (503) 227-6497

24 HR. EMERGENCY TELEPHONE NUMBERS
CHEMTEC: (800) 424-9300

2. HAZARDS IDENTIFICATION

Danger!

EMERGENCY OVERVIEW:

Harmful if swallowed. Also harmful by inhalation and in contact with skin. Avoid eye contact with vapor, spray, or mist. Avoid skin contact. Avoid breathing of vapors. Do not eat, drink, or smoke when using this product. Wash exposed areas thoroughly with soap and water. Flammable liquid and vapor.

EMERGENCY OVERVIEW

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days

GHS Hazards

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation

GHS Precautions

P210	Keep away from heat/sparks/open flames/hot surfaces . No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P262	Do not get in eyes, on skin, or on clothing
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention

P337+P313 If eye irritation persists, get medical advice/attention

P370+P378 In case of fire: Use \bar{o} for extinction

P403+P235 Store in a well ventilated place. Keep cool

P501 Dispose of contents/container in accordance with all local, state, and federal regulations.

Signal Word: Danger



3. COMPOSITION/INFORMATION

Chemical Name	CAS number	Weight Concentration %
Methyl isobutyl ketone	108-10-1	26.00%
Butyl Acetate	123-86-4	5.00%
Acetone	67-64-1	3.00%

4. FIRST AID MEASURES

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation occurs or persists.

Remove contaminated clothing/shoes. Flush skin with water for at least 15 minutes. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.

DO NOT INDUCE VOMITING. Do not attempt to give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

If more than 2.0 ml per kg has been ingested and vomiting has not occurred, emesis should be induced with supervision. Keep victims's head below hips to prevent aspiration.

5. FIRE FIGHTING MEASURES

Flash Point: -26 C (-15 F)

LEL: 1.00

UEL: 8.00

Use water fog, "alcohol" foam, dry chemical, or CO₂.

When heated above the flash point, this material emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

Carbon monoxide and unidentified organic compounds may be formed during combustion.

WARNING! Flammable Liquid. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved SCBA. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES:

DANGER! Flammable. Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Only specially trained or qualified personnel should handle the emergency.

Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Try to prevent the material from entering drains or water courses. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Do not contaminate water sources or sewer. Use inert material to contain and clean up spill. Dispose in accordance with all Federal, State, and Local regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Keep away from heat, sparks, and flame. Surfaces that are hot may ignite even liquid products in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone.

COMMENTS: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

SPECIAL HANDLING PROCEDURES: Put on appropriate personal protective equipment. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.

STORAGE: Store in a cool, dry place. Keep containers closed. Protect from damage. Keep all containers tightly closed when not in use. Store out of direct sunlight and on an impermeable floor. Do not store with incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Methyl isobutyl ketone 108-10-1	PEL 410 mg/m ³ 100 ppm	TWA 50 ppm STEL 75 ppm BEI	Not Established
Butyl Acetate 123-86-4	TWA 150 ppm, 710 mg/m ³ STEL 200 ppm, 950 mg/m ³	TWA 150 ppm STEL 200 ppm	Not Established
Acetone 67-64-1	TWA 1000 ppm, 2400 mg/m ³	TWA 250 ppm	Not Established

Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment must be explosion proof.

EYES AND FACE:

Chemical splash goggles and face shield in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. (Consult your industrial hygienist.)

SKIN:

Wear chemical resistant gloves such as: Poly Vinyl Alcohol (PVA), Viton, or Teflon gloves or consult your safety equipment supplier. Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The equipment must be cleaned thoroughly after each use.

RESPIRATORY:

If exposure may or does exceed occupational exposure limits use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

PROTECTIVE CLOTHING:

Where splashing is possible, full chemically resistant protective clothing and boots are required.

WORK HYGIENIC PRACTICES:

Use good personal hygiene when handling this product. Wash hands after use before eating, drinking, smoking or using the toilet.

OTHER USE PRECAUTIONS:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

If clothing is contaminated, discard or launder.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Density: Heavier than air Evaporation rate: Slower than ether	Specific Gravity (SG) 1.279
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10. STABILITY AND REACTIVITY

STABLE

Oxygen and strong oxidants. Will dissolve or soften some plastics and rubber.

Carbon monoxide and unidentified organic compounds may be formed during combustion. There should be no decomposition if stored and applied as directed.

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Inhalation Toxicity LC50: 0mg/L

Component Toxicity

Toxicological testing has not been conducted with this material.

POTENTIAL HEALTH EFFECTS

EYES:

Liquid is moderately irritating to the eyes. High vapor concentrations may also be irritating. Direct contact with the liquid or exposure to its vapors or mists may cause stinging, tearing, redness.

SKIN: Liquid is mildly irritating to the skin. Prolonged or repeated contact can result in defatting and dryness of the skin which may result in skin irritation and dermatitis (rash).

INGESTION:

Liquid is moderately toxic and may be harmful if swallowed; may produce CNS depression. Ingestion of product may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

INHALATION:

High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).

Effects of Overexposure

Carcinogenicity:

NTP Carcinogen: No

IARC Monographs: No

CAS Number

Description

% Weight

Carcinogen Rating

IMMEDIATE CONCERNS: WARNING! Flammable liquid and vapor. Harmful or fatal if swallowed. Vapor harmful. May cause central nervous system depression. May be irritating to eyes and skin.

MEDICAL CONDITIONS AGGRAVATED:

Persons with pre-existing skin, eye, or central nervous system disorders, or impaired liver, kidney, or pulmonary function may be susceptible to the effects of this substance.

COMMENTS:

Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

This material is toxic to aquatic organisms, may cause long-term adverse effects to the aquatic

environment.

Component Ecotoxicity

Methyl isobutyl ketone

Toxicity to fish LC0 - Leuciscus idus melanotus - 480 mg/l - 48 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) - 1,550 - 3,623 mg/l - 24 h

Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - 980 - 2,000 mg/l - 48 h

Acetone

LC50 / 96 hours Rainbow Trout 5,540 mg/L

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

EMPTY CONTAINER:

KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition.

RCRA/EPA WASTE INFORMATION:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Paint

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1263

PACKING GROUP: II

NAERG: 128

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 1000 lbs

LABEL: Flammable liquid

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
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15. REGULATORY INFORMATIONS

CERCLA (COOMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: 1000 lbs.

Country

Regulation

All Components Listed

EU Risk Phrases

Safety Phrase

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under CFR 40 720.30.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: Toluene (CAS 108-88-3) and benzene (CAS 71-43-2)

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: To the best of our knowledge, this product is not listed as an extremely hazardous substance.

16. OTHER INFORMATION

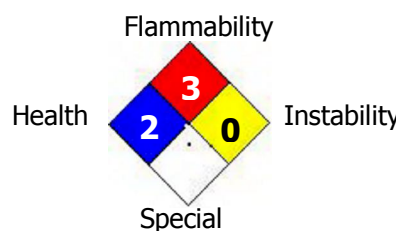
Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

HMIS & NFPA Hazard Rating Legend

* = Chronic Health Hazard
0 = **INSIGNIFICANT**
1 = **SLIGHT**
2 = **MODERATE**
3 = **HIGH**

National Fire Protection Association (NFPA)



MANUFACTURER DISCLAIMER:

The information contained herein is based on the data available to us and is believed to be accurate. However, Drew Paints, Inc. makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Drew Paints, Inc. assumes no responsibility of injuries from the use of the product described herein.

Reviewer Revision

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