



AMERICAN PLASTICS
800-772-7401

PROFLEX & PROFLEX-S Material Safety Data Sheet

SUPPLIER NAME:

AMERICAN PLASTICS (800)772-7401
525 113th Street - Arlington, TX 76011

COMMERICAL PRODUCT NAME:

PROFLEX / PROFLEX-S

Typical Uses:

Sheet for Thermoforming

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION:

Hazardous Components: Vinyl Acetate
(CAS # 108-05-4)

ACGIH TLLV:

10 ppm

Other Limits Recommended:

10 ppm AEL (DuPont)

% (Optional):

< 0.3%

PHYSICAL CHEMICAL CHARACTERISTICS:

Melting Point:

N/A

Solubility in Water:

Negligible

Appearance and Odor:

Proflex: Translucent to light blue,

Mild ester-like odor

Proflex-S: Off-white, opaque,

Mild ester-like odor

Boiling Point (Method Used):

N/A

Vapor Pressure (mm Hg):

N/A

Vapor Density (Air = 1):

N/A

Specific Gravity (H₂O =1):

0.93 - 0.97

Evaporation Rate (Butyl Acetate = 1):

N/A

FIRE AND EXPLOSION HAZARD DATA:

Flash Point (Method Used):

260 C (Cleveland)

Flammable Limits:

LEL - ND

UEL - ND

Extinguishing Media:

Water, Foam, Dry Chemical, CO₂

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus

Unusual Fire and Explosion Hazards:

None known

REACTIVITY DATA:

Stability:

Stable

Conditions to Avoid:

Temperatures above 200 C

Incompatibility (Materials to Avoid):

Can react with strong acids or oxidizing agents

Hazardous Decomposition or Byproducts:

Vinyl acetate, acetic acid, carbon monoxide, and hydrocarbon oxidation products including organic acids, aldehydes and alcohols

Hazardous Polymerization:

Will not occur



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PROFLEX & PROFLEX-S MSDS (CONTINUED)

HEALTH HAZARD DATA:

Route(s) of Entry:

Inhalation? Not a probable route of entry.
4 hr LC50: 4000 ppm in rats
Skin? No data available.
LD50: 2335 mg/kg in rabbits
Ingestion? Not a probable route of entry.
LD50: 2920 mg in rats

Health Hazards (Acute or Chronic):

Vinyl Acetate is not a developmental toxin in animals. The effect of Vinyl Acetate on production in animals is not considered significant. Genetic damage was produced in some types of cell cultures and in animals, but was negative in other studies. No tests for her-

itable genetic damage were available.

Carcinogenicity:

None

NTP:

None

IARC Monographs:

Vinyl Acetate

OSHA Regulated:

2B

Signs and Symptoms of Exposure:

None known

Medical Conditions Generally Aggravated by Exposure:

None known

Emergency and First Aid Procedures:

If dust is inhaled, remove to fresh air

PRECAUTIONS FOR SAFE HANDLING AND USE:

Steps To Be Taken In Case Material Is Released Or Spilled:

N/A

Waste Disposal Method:

- 1) Recycle
- 2) Incineration with energy recovery
- 3) Landfill (in accordance with local regulations)

Precautions To Be Taken In Handling And Storage:

Store in a cool dry place

Other Precautions:

None listed

CONTROL MEASURES:

Respiratory Protection (Specify Type):

A NIOSH/MSHA respirator with organic vapor cartridge where airborne concentrations exceed limits
Local Exhaust - Use ventilation over processing equipment
Mechanical (General) - N/A
Special - N/A
Other - N/A

Ventilation:

Protective Gloves:

Heat resistant gloves if exposed to molten polymer

Eye Protection:

Safety glasses are recommended

Other Protective Clothing:

Heat resistant clothing if exposed to molten polymer

Work/Hygienic Practices:

Handle in accordance with good industrial hygiene and safety practices