



The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont
Material Safety Data Sheet

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1040EP VITON/ACETONE MIXTURE
Revised 22-MAY-1998

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Tradenames and Synonyms

FLUOROELASTOMER/ACETONE SOLUTION
ACETONE/COPOLYMER SOLUTION

Company Identification

MANUFACTURER/DISTRIBUTOR
DuPont
1007 Market Street
Wilmington, DE 19898

PHONE NUMBERS

Product Information : 1-800-441-7515 (outside the U.S.
302-774-1000)
Transport Emergency : CHEMTREC 1-800-424-9300(outside U.S.
703-527-3887)
Medical Emergency : 1-800-441-3637 (outside the U.S.
302-774-1000)

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
ACETONE	67-64-1	68-72
VITON	9011-17-0	32-28

HAZARDS IDENTIFICATION

Potential Health Effects

ANIMAL DATA:

Acetone:

Inhalation 4 hour ALC: 64,000 ppm in rats
Skin absorption LD50: 20,000 mg/kg in rabbits
Oral LD50: 9,750 mg/kg in rats

Viton:

Oral ALD: > 5,000 mg/kg in rats

HUMAN HEALTH EFFECTS OF OVEREXPOSURE BY:

(HAZARDS IDENTIFICATION - Continued)

Skin contact to Acetone may initially include: Drying of the skin with repeated contact. Eye contact may initially include: Eye irritation with discomfort, tearing, or blurring of vision. Inhalation or ingestion may initially include: Nonspecific discomfort, such as nausea, headache, or weakness; or temporary nervous system depression with anaesthetic effects such as dizziness, headache, confusion, incoordination, and loss of consciousness. Inhalation may initially include: Irritation of the upper respiratory passages. Ingestion may initially include: Irritation of the gastrointestinal tract. In animals, repeated exposure to high doses caused kidney damage, testicular effects and anemia.

Skin contact to Viton with uncured material may initially include: skin irritation with discomfort or rash. Eye contact with uncured material may cause irritation with discomfort, tearing, or blurring of vision. Inhalation of fumes from burning material may cause temporary lung irritation effects with cough, discomfort, difficulty breathing, or shortness of breath. Higher exposures to fumes from burning material may cause pulmonary edema (body fluid in the lungs) with cough, wheezing, abnormal lung sounds, possibly progressing to severe shortness of breath and bluish discoloration of the skin. Symptoms may be delayed. Prompt medical attention is required. Smokers should avoid contamination of tobacco products and should wash their hands before smoking.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT

The compound is not likely to be hazardous by skin contact but cleansing the skin after use is advisable.

Wash contaminated clothing before reuse.

EYE CONTACT

(FIRST AID MEASURES - Continued)

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult a physician if necessary.

FIRE FIGHTING MEASURES

Flammable Properties

Flash Point : -4 F (-20 C)
Method : CC
Autoignition : ~465 C (~869 F)

Flammable liquid.

Fire and Explosion Hazards:

Hazardous gases/vapors produced in fire are:
Hydrogen fluoride, carbonal fluoride, CO, low mole weight fluorocarbons.

Extinguishing Media

Foam, Dry Chemical, CO2.

Water may be effective for cooling, but may not effect extinguishment.

Fire Fighting Instructions

Wear self-contained breathing apparatus. Wear full protective equipment.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material.

HANDLING AND STORAGE

Handling (Personnel)

Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling.

Handling (Physical Aspects)

Ground container when pouring. Keep away from heat, sparks and flames.

Storage

Keep container tightly closed.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation.

Personal Protective Equipment

EYE/FACE PROTECTION

Wear safety glasses or coverall chemical splash goggles.

RESPIRATORS

Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

PROTECTIVE CLOTHING

Where there is potential for skin contact have available and wear as appropriate, neoprene or butyl rubber gloves, apron, pants, and jacket.

Exposure Guidelines

Applicable Exposure Limits

ACETONE

PEL (OSHA)	: 1000 ppm, 2400 mg/m ³ , 8 Hr. TWA
TLV (ACGIH)	: 500 ppm, 1188 mg/m ³ , A4 STEL 750 ppm, 1782 mg/m ³ , A4
AEL * (DuPont)	: 500 ppm, 8 & 12 Hr. TWA

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point	: 56 C (133 F)
Vapor Pressure	: 181 mm Hg @ 20 C (68 F)
Vapor Density	: 2.0 (Air = 1)
Melting Point	: -95 C (-139 F)
% Volatiles	: 68-72%
Odor	: Sweet pungent odor
Form	: Liquid
Color	: Milky clear
Specific Gravity	: ~1.10 gms/cc

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Decomposes with heat.

Decomposition temperature: 316 C (601 F)

Hazardous gases/vapors produced are Hydrogen fluoride,
carbonal fluoride, CO, low mole weight fluorocarbons.

Polymerization

Polymerization will not occur.

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in
accordance with applicable Federal, State/Provincial, and Local
regulations.

REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status : Reported/Included.

OTHER INFORMATION

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS : Craig Comontofski
Address : Potomac River Works
Telephone : 274-1433

Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS