

# Communication on Article Information Sheets

Position of DuPont Circuit and Packaging Materials for  
*KAPTON®*, *OASIS®*, *PYRALUX®*, *COOLAM®*,  
*INTERRA®*, *RISTON®*, *VACREL®*

This letter is to communicate information for the above products, which fulfil the criteria of being articles in accordance with EPA TSCA.

Although there is normally no legal obligation to provide Material Safety Data Sheets (MSDS) for articles, we have historically provided them on a voluntary basis. DuPont is introducing a new document called an Article Information Sheet (AIS), to be sent to our customers receiving the articles listed above. The AIS document replaces the previously distributed MSDS documents. The new document will continue to contain the appropriate level of information on safe use for these DuPont articles. No compositional information is provided in the AIS.

The European regulation REACH<sup>1)</sup> requires communication of safe use information for substances which are listed on the "Candidate List"<sup>2)</sup> because they meet the criteria as a Substance of Very High Concern (SVHC) and are present in articles in a concentration above 0.1% weight by weight (w/w). For articles containing substances that meet these criteria, their identity and concentration range are listed as courtesy to our customers who sell their products in the European Union.

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1) Regulation (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

2) The Candidate List for Authorization is accessible at  
[http://echa.europa.eu/chem\\_data/authorisation\\_process/candidate\\_list\\_en.asp](http://echa.europa.eu/chem_data/authorisation_process/candidate_list_en.asp)

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**DuPont(TM) Kapton(R) FPC, GS-C, HN, HPP-ST, PST, VN (1.5 - 3 mil)**

Version 2.0

Revision Date 05/06/2014

Ref. 150000003829

This document is for information only, provided voluntarily and not subsequent to regulatory requirement.

**PRODUCT AND CONTACT INFORMATION****Product identifier**

Product name : DuPont(TM) Kapton(R) FPC, GS-C, HN, HPP-ST, PST, VN (1.5 - 3 mil)  
Synonyms : 150HN, 175HN, 200HN, 250HN, 275HN, 300HN, 150GS-C, 175GS-C, 200GS-C, 250GS-C, 275GS-C, 300GS-C, 200NA, 300NA, 200PST, 300PST, 200VN, 300VN, 200HPP-ST, 300HPP-ST, 200FPC, 300FPC, 300FPC-ZT

Use of the article : Electrical/electronic industries  
For professional and industrial installation and use only.

Company : DuPont  
1007 Market Street  
Wilmington, DE 19898

Telephone : +1-800-441-7515 (outside the U.S. +1-302-774-1000)

**Emergency telephone number**

Emergency contact : 1-800-441-3637 (outside the U.S. 1-302-774-1139)

**HAZARDS IDENTIFICATION****Physical and chemical properties**

Form : film  
Water solubility : insoluble

**Stability and reactivity**

Stability : The product is chemically stable under recommended conditions of storage, use and temperature.

Conditions to avoid : Decomposition temperature > 350 °C (32 °F)

Incompatibility : Strong acids strong oxidizers

Hazardous decomposition products : Carbon oxides, Nitrogen oxides (NOx)

Hazardous reactions : No dangerous reaction known under conditions of normal use.

**INFORMATION ON INGREDIENTS**

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This product contains substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 59).

Component	CAS-No.	Concentration
N,N-Dimethylacetamide	127-19-5	0.1 - 0.6 %

**FIRST AID MEASURES****Description of first aid measures**

- Inhalation : Is not considered a potential route of exposure.
- Skin contact : Wash off with soap and water. Get medical attention if irritation develops and persists.
- Eye contact : Rinse with plenty of water. Consult a physician if necessary.
- Ingestion : Is not considered a potential route of exposure.

**FIREFIGHTING MEASURES****Extinguishing media**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- : Water spray
- : Foam
- : Dry chemical
- : Carbon dioxide (CO<sub>2</sub>)

**Special hazards arising from the article**

- Specific hazards during firefighting : Not a fire or explosion hazard. Does not readily burn or support combustion. The flammability characteristic of this material is reported as "self-



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extinguishing". Kapton(R) will burn in an atmosphere of 100% oxygen and will char but does not burn in air. The processing and unwrapping of Kapton(R) polyimide films can cause the generation of static charge.

**Advice for firefighters**

Special protective equipment for firefighters : Wear suitable protective equipment.

**ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Personal precautions : Avoid contact with the skin and the eyes. Ensure adequate ventilation.

**Environmental precautions**

Environmental precautions : No special environmental precautions required.

**Methods and materials for containment and cleaning up**

Methods for cleaning up : Pick up dropped sheeting to prevent slipping hazard.  
Use mechanical handling equipment.  
Pick up and transfer to properly labelled containers.

**Reference to other sections**

For personal protection see section "Exposure controls/personal protection"

**HANDLING AND STORAGE**

**Precautions for safe handling**

Advice on safe handling : Avoid breathing dust.



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Take necessary action to avoid static electricity discharge.

Thick films have sharp edges which can cause cuts.

**Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Keep in a dry place.

Storage temperature : 20 - 30 °C

Other data : Stable under normal conditions.

**EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering controls : Ensure adequate ventilation.

**Personal protective equipment**

Respiratory protection : Provide adequate ventilation. No personal respiratory protective equipment normally required. Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

Hand protection : Material: Impervious gloves  
Additional protection: Gloves must be inspected prior to use.

Eye protection : Wear safety glasses with side shields.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.  
Lightweight protective clothing and Safety shoes are recommended.

**DISPOSAL CONSIDERATIONS**

## Article Information Sheet



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#### **Waste treatment methods**

Product : Dispose of in accordance with local regulations.

### **REGULATORY INFORMATION**

#### **TSCA (US) Status**

Product is an article as defined at 40CFR720.3(c) and is not subject to TSCA Inventory requirements.

#### **California Prop. 65:**

These products contain a chemical known to the State of California to cause birth defects or other reproductive harm, N,N-Dimethylacetamide. Based on test results, the California Prop. 65 Safe Harbor Level has been met for these products., WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

### **OTHER INFORMATION**

#### **Restrictions on use**

Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy of the DuPont POLICY Regarding Medical Applications and DuPont CAUTION Regarding Medical Applications.

#### **Further information**

Before use also read the following DuPont bulletin(s):, Kapton(R) Polyimide Films - Safe Handling and Use bulletin.

The information provided in this Article Information Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

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