

11-03-03

11500-XXXX



CALIFORNIA DEPARTMENT OF FORESTRY and FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHAL

# REGISTERED FLAME RESISTANT PRODUCT

Product:

FLAMELESS DISPLAY PAPER

Registration No.

F-00805

Product Marketed By:

PACON CORP.  
2525 N. CASALOMA DRIVE  
APPLETON WI 54913

V-256

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code.

The scope of the approved use of this product is provided in the current edition of the CALIFORNIA APPROVED LIST OF FLAME RETARDANT CHEMICALS AND FABRICS, GENERAL AND LIMITED APPLICATIONS CONCERNS published by the California State Fire Marshal.

*Pit Sanchez*

Deputy State Fire Marshal

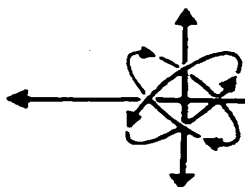
Expire: 06/30/2004

FR-8

FROM :

FAX NO. :3362271175

Sep. 12 2003 01:15PM P1



**DIVERSIFIED**

**TESTING LABORATORIES, INC.**

"We Test Per Your Request"

336 WEST FRONT STREET  
P.O. BOX 4004  
BURLINGTON, NORTH CAROLINA 27215  
Phone (336) 227-7710 • Fax (336) 227-1175

September 11, 2003

Ms. Lori Claus  
FACON CORPORATION  
2525 North Casaloma Drive  
Appleton, WI 54913-8965

Reference: Flammability Test Report  
Lab Identification No. 7626  
Invoice No. 1528 (Attached)

Dear Ms. Claus:

**FLAMELESS™**

One (1) paper sample, identified as **FLAME RETARDANT DISPLAY PAPER, CHERRY RED 5207-6**, received and tested in accordance with the National Fire Prevention Association No. 7 "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 1 Edition, (Test 1, Small Scale)". The results are as follows:

<u>Specimen Number</u>	<u>Residual Flame (seconds)</u>	<u>Weight Loss (percent)</u>
1	0.0	33.67
2	0.0	25.00
3	0.0	28.40
4	0.0	26.29
5	0.0	25.47
6	0.0	25.42
7	0.0	24.95
8	0.0	29.10
9	0.0	25.36
10	0.0	26.79
AVG.	0.0	27.05

The paper sample submitted meets the minimum requirements of the above standard. Average percent weight loss cannot exceed 40% and the weight loss of individual specimens cannot exceed mean value plus three standard deviations. The average residual flame cannot exceed 2.0 seconds.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

*Karon S. Matkins*

Karon S. Matkins

KSM/mr  
Attachment



*North America's Leader in Hazardous Material Information Management*

*1905 Aston Avenue, Carlsbad, CA 92008  
Phone (800) 451-8346 Fax (760) 602-8888*

## MSDS PRODUCT INFORMATION

Date: 09/15/2003  
To: MSDS Requester  
From: 3E Company  
Subject: The MSDS you have requested

*Flameless*

**MSDS NOT REQUIRED**

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

**MSDS DISCONTINUED PRODUCT**

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

**MSDS BEST COPY AVAILABLE**

The MSDS attached is the best copy available from the manufacturer.

**MANUFACTURER NO LONGER IN BUSINESS**

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Kerwin Paper Co. (Division of Riverside Paper Corporation)  
Product Name: Paper

**MSDS SHEET FLAMELESS FLAME RETARDANT PAPER**  
**PACON CORPORATION**

File Numbers: 11500-1026, 11500-2006, 11500-3066, 11500-3086, 11500-4006, 11500-4516, 11500-5006, 11500-5016, 11500-6016, 11500-7016

9/18/03

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## Material Safety Data Sheet

According to 91/155 EC


**BK Giulini  
Chemie**

Printing date 09.04.2002

Reviewed on 09.04.2002

### 1 Identification of substance

- . Product details

- . Trade name Pyrex AMN  
Artikelnummer: 29933

- . Article number: 29933

- . Manufacturer/Supplier:  
BK Giulini Chemie GmbH & Co. OHG  
Works Ludwigshafen, Giulinistraße 2  
D-67065 Ludwigshafen

www.bk-giulini.com  
Tel: 0621 5709-01  
Fax: 0621 5709452

- . Information:

Business Unit Chemicals  
Works Ladenburg Phone +49 6203 / 77-172  
Works Ludwigshafen Phone +49 621 / 5709-523

- . Emergency information:

Works Ladenburg Phone +49 6203 / 77-112  
Works Ludwigshafen Phone +49 621 / 5709-01

### 2 Composition/Data on components:

- . Chemical characterization:

- . CAS No. Designation:  
Void

- . Identification number(s):

- . EINECS Number: Void

- . Chemical characterization

- . Description: Blend of inorganic ammonium salts

- . Dangerous components: Void

### 3 Hazards identification

- . Hazard designation: void

- . Information pertaining to particular dangers for man and environment void

- . Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

### 4 First aid measures

- . General information No special measures required.

- . After inhalation : Supply fresh air.

- . After skin contact : Immediately wash with soap and water and rinse thoroughly.

- . After eye contact :

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

- . After swallowing :

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

### 5 Fire fighting measures

- . Suitable extinguishing agents

Use fire fighting measures that suit the environment.

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with foam.

(Contd. on page 2)  
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(Contd. of page 1)

- . Special hazards caused by the material, its products of combustion or flue gases:
  - Fire can cause release of :
    - Ammonia (NH<sub>3</sub>)
    - Nitrogen oxides (NO<sub>x</sub>)
    - Sulfur trioxide (SO<sub>3</sub>)
- . Protective equipment: Put on breathing apparatus.

### 6 Accidental release measures

- . Person-related safety precautions: Wear protective clothing.
- . Measures for environmental protection:
  - Do not allow to enter drainage system, surface or ground water.
- . Measures for cleaning/collecting: Collect mechanically.
- . Additional information: No dangerous materials are released.

### 7 Handling and storage

- . Handling
  - . Information for safe handling: No special measures required.
  - . Information about protection against explosions and fires:
    - No special measures required.
- . Storage
  - . Requirements to be met by storerooms and containers: No special requirements.
  - . Information about storage in one common storage facility: Not required.
  - . Further information about storage conditions:
    - Store in cool, dry conditions in well sealed containers.
  - . Storage class Void
  - . Class according to regulation on inflammable liquids: Void

### 8 Exposure controls and personal protection

- . Additional information about design of technical systems:
  - No further data; see item 7.
- . Components with critical values that require monitoring at the workplace:
  - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- . CAS No. Designation of material % Type Value Unit
 

General dust exposure limit,	German MAK 1997	1,5	mg/m <sup>3</sup>
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  - measured as alveolic part
- . Additional information:
  - The lists that were valid during compilation were used as a basis.
- . Personal protective equipment
  - . General protective and hygienic measures
    - The usual precautionary measures should be adhered to in handling the chemicals.
    - Avoid contact with the eyes and skin.
  - . Breathing equipment: Not required.
  - . Protection of hands: Protective gloves.
  - . Eye protection: Safety glasses

### 9 Physical and chemical properties:

- . Form: Solid.
- . Colour: White

(Contd. on page 3)

**ISDS SHEET FLAMELESS FLAME RETARDANT PAPER**
**ACON CORPORATION** 11500-2006, 11500-3066, 11500-3086, 11500-4006, 11500-4516, 11500-5006, 11500-5016, 11500-6016, 11500-7016

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**Material Safety Data Sheet**  
According to 91/155 EC



**BK Giulini  
Chemie**

Printing date 09.04.2002

Reviewed on 09.04.2002

Trade name Pyrex AMN  
Artikelnummer: 29933

(Contd. of page 2)

- . Smell: Odourless
- . Change in condition
  - Boiling point/Boiling range: Not determined
- . Flash point: Not applicable
- . Danger of explosion: Product is not explosive.
- . Density
- . Settled apparent density at 20°C ca. 950 kg/m<sup>3</sup>
- . Solubility in / Miscibility with
  - Water at 20°C: ca. 500 g/l
- . pH-value (100 g/l) at 20°C: ca. 7.0

### 10 Stability and reactivity

- . Thermal decomposition / conditions to be avoided:
  - Can decompose slowly with localised heating above 150°C
- . Materials to be avoided: Alkali
- . Dangerous reactions No dangerous reactions known
- . Dangerous composition products: Ammonia

### 11 Toxicological information

- . Acute toxicity:
- . Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eyes: Moderate irritation
- . Sensitization: No sensitizing effect known.
- . Additional toxicological information:
  - The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.
  - In our experience and according to the information provided to us, the product does not have any harmful effects when used and handled according to specification.

### 12 Ecological information:

- . Information about elimination (persistence and degradability):
- . Other information:
  - Inorganic salts are basically not biodegradable.
  - Easy elimination possible by flocculation or adsorption by sludge
- . Ecotoxicological effects:
- . Remark: COD: 500 mgO<sub>2</sub>/g
- . Other information: No AOX
- . General notes:
  - Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

(Contd. on page 4)  
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**MSDS SHEET FLAMELESS FLAME RETARDANT PAPER**

**ACON CORPORATION**

Item Numbers: 11500-1026, 11500-2006, 11500-3066, 11500-3086, 11500-4006, 11500-4516, 11500-5006, 11500-5016, 11500-6016, 11500-7016

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**Material Safety Data Sheet**  
According to 91/155 EC



**BK Giulini  
Chemie**

Printing date 09.04.2002

Reviewed on 09.04.2002

Trade name Pyrex AMN  
Artikelnummer: 29933

(Contd. of page 3)

**13 Disposal considerations**

- . Product:
- . Recommendation  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- . European waste catalogue  
16 03 03 inorganic wastes containing dangerous substances
- . Uncleaned packaging:
- . Recommendation:  
Dispose of packaging according to regulations on the disposal of packagings.
- . Recommended cleaning agent: Water, if necessary with cleaning agent.

**14 Transport information**

- . Transport/Additional information:  
Not dangerous according to the above regulations.

**15 Regulatory information**

- . Designation according to EC guidelines:  
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).  
Observe the normal safety regulations when handling chemicals
- . National regulations
- . Classification according to VbF: Void
- . Water hazard class: WGK 1 : low water hazard risk (German regulation)
- . Other regulations, limitations and prohibitive regulations  
The general dust exposure limit of 1,5 mg/m<sup>3</sup>, measured as alveolic part has to be observed (German MAK 1997, TRGS 900).

**16 Other information:**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

An \* is indicating a review of this chapter.

- . Department issuing data specification sheet:  
Occupational health and safety department
- . Contact: Dr. Roland Gitzing

Provided By:



Chemicals inc.

**SDS SHEET FLAMELESS FLAME RETARDANT PAPER**  
**ACON CORPORATION**  
/18/03

905-338-3172  
905-338-0648

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