

Renolit-Werke GmbH

RENOLIT



Customer:

SAFETY DATA SHEET

according to 91/155/EEC

page 1 of 7

Product name:	Renolit-Foil	Date:	2000-09-19
Product number:	6700		
Manufacturer's name:	American Renolit Corp. LaPorte		

1 PRODUCT IDENTIFICATION

1.1	Product name:	Renolit-Foil	Type:	GK-S
1.2	Manufacturer's address:	American Renolit Corp. LaPorte 1207 E. Lincolnway USA La Porte - Indiana 46350 - 3987		

2 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	substance	preparation
Polyvinylchloride with additives		

3 HAZARDS IDENTIFICATION

Critical hazards to man and the environment:	none
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OSHA 174, Sept.85

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SECTION V- Reactivity Data

Stability:

Stable X

Incompatibility (material to avoid): N/A

Hazardous Polymerization:

May not occur: X

SECTION VI Health hazard Data

Route (s) of Entry: Inhalation ? Skin ? Ingestion ?
N/A

Health Hazard (Acute and Chronic)

N/A

Carcinogenicity NTP? IARC Monographs? OSHA Regulated?

N/A

Medical Conditions

Generalty Aggravated by Exposure

N/A

Emergency and First Aid Procedures

None

Effects of Overexposure:

The material poses no health hazards at ambient temperature when used as intended in product design. Material is not intended for use in burning applications.

Notes:

This material is an article supplied in roll form. As such, the material itself does not pose physical or health hazards under normal use.

SECTION VII- Precautions for safe Handling and Use

Steps to be taken in Case Material is released or spilled:

N/A

Waste disposal method:

Landfill or other approved disposal method in accordance with any applicable regulations under resource conservation and Recovery Act.

Precautions to be taken in Handling and Storing:

N/A

Other Precautions:

N/A

SECTION VIII- Control Measures

Respiratory Protection (Specify Type)

Not Necessary

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<i>Ventilation:</i>	<i>Local Exhaust</i>	<i>Yes</i>	<i>Special</i>
<i>Yes</i>	<i>Mechanical</i>	<i>Yes</i>	<i>Other</i>

Note:

General ventilation should be efficient to control airborne level. Good Mechanical ventilation is needed when material is being heat sealed.

Protective Gloves:

When material is heated.

Eyes protection:

Recommended for all
Industrial workplaces.

Other protective clothing or Equipment:

Not necessary

Work/Hygienic Practices

Observe proper industrial hygienic practices according to regulations.

Nov-08-99 12:09P
Nov-08-99 11:02 CPS LV

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P.02
P.01

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38-4555

PAGE 1 OF 6
September 17, 1998

*** MATERIAL SAFETY DATA SHEET ***

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER.....	38-4555
PRODUCT NAME.....	MACOR (R) 38-4555
CAS NUMBER OF PRODUCT.....	Unassigned
SYNONYM NAME(S).....	None.
SYNONYM NUMBER(S).....	72-9924

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY.....	Pressure Sensitive Adhesive
NONE HAZARDOUS	

3. HAZARDS IDENTIFICATION

Not considered as hazardous

EYE.....	Irritating, but does not injure eye tissue.
SKIN CONTACT.....	Frequent or prolonged contact may irritate and cause dermatitis.
INHALATION.....	Vapors may be irritating to respiratory system and nasal passages.
INGESTION.....	Minimal toxicity.

4. FIRST-AID MEASURES

EYE.....	Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.
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Nov-08-99 12:09P
Nov-08-99 11:03 CPS LV

7022518882

P.03
P.02

38-4555

PAGE 2 OF 6
September 17, 1998

*** MATERIAL SAFETY DATA SHEET ***

4. FIRST-AID MEASURES (Continued)

SKIN CONTACT.....	Flush with large amounts of water; use soap if available.
INHALATION.....	Remove to fresh air. Administer oxygen to aid breathing. Get medical attention.
INGESTION.....	If swallowed, induce vomiting only if victim is alert. Get prompt medical attention. DO NOT attempt to give anything by mouth to a drowsy or unconscious person.

5. FIREFIGHTING MEASURES

AUTOIGNITION.....	N/A.
FLASH POINT.....	N/A
EXTINGUISHING MEDIA.....	Water fog; Foam; CO2; Dry chemical
SPECIAL FIREFIGHTING PROCEDURES.....	No special procedures are required
FIRE & EXPLOSION HAZARDS.....	This is a water-based product and presents no particular fire or explosion hazard.
UPPER EXPLOSION LIMIT (%).....	Not Applicable
LOWER EXPLOSION LIMIT (%).....	Not Applicable
NFPA FLAMMABILITY HAZARD CLASS.....	0 = Insignificant

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES.....	Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water; collect wash water for approved disposal. Do not flush to storm sewer or waterway.
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For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE.....	Room temp.
HANDLING/STORAGE.....	Product contains small amount of residual monomer (less than 1%)

Nov-08-99 12:10P
Nov-08-99 11:03 CPS LV

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P.04

P.03

38-4555

PAGE 3 OF 6
September 17, 1998

*** MATERIAL SAFETY DATA SHEET ***

7. HANDLING AND STORAGE (Continued)

VENTILATION REQUIREMENTS.....	which could accumulate in the unvented headspace of drums or bulk storage vessels. Open drums in ventilated area. Avoid breathing vapors.
OTHER PRECAUTIONS.....	General Avoid extreme temperatures. Protect from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION REQUIREMENTS.....	General
EYE PROTECTION REQUIREMENTS.....	Safety glasses, goggles or face shield to protect against splashing.
GLOVE REQUIREMENTS.....	Rubber gloves are recommended.
CLOTHING REQUIREMENTS.....	Protective clothing is normally not necessary for foreseeable conditions of use.
RESPIRATOR REQUIREMENTS.....	None required under normal handling conditions. Use NIOSH approved respirator if vapor or mist levels are irritating.

9. PHYSICAL AND CHEMICAL PROPERTIES

PURE SUBSTANCE OR MIXTURE.....	Mixture
PHYSICAL FORM.....	Liquid
APPEARANCE/ODOR.....	White; Sweet odor
ODOR THRESHOLD.....	Not available.
PH AS IS.....	7.0
PH IN (1%) SOLUTION.....	N/A (not applicable)
BOILING POINT.....	>212 F
MELTING/FREEZING POINT.....	<32 F
SOLUBILITY IN WATER.....	Miscible
PARTITION COEFFICIENT (n-octanol/water).....	Not Applicable
SPECIFIC GRAVITY (WATER=1).....	1.000
BULK DENSITY.....	8.3 lbs/gal
EVAPORATION RATE.....	1 (Water)
VAPOR PRESSURE (mmHg).....	17 (20)
VAPOR DENSITY (air = 1).....	0.62
VOLATILES.....	43% by wt. (water) (water)

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08-99 11:03 CPS LV

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P.05

P.04

38-4555

PAGE 4 OF 6
September 17, 1998

** MATERIAL SAFETY DATA SHEET **

9. PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

VOLATILE ORGANIC COMPOUNDS.....	<5 g/l
AUTOIGNITION.....	N/A
FLASH POINT.....	N/A
OXIDIZING PROPERTIES.....	Not Applicable

10. STABILITY AND REACTIVITY

STABILITY.....	Stable
MATERIALS TO AVOID.....	AVOID MATERIALS THAT REACT WITH WATER.
NFPA REACTIVITY HAZARD CLASS.....	0 - Insignificant
HAZARDOUS DECOMPOSITION PRODUCTS....	Carbon monoxide, carbon dioxide, unknown hydrocarbons.

11. TOXICOLOGICAL INFORMATION

PRODUCT TOXICOLOGY

OTHER NOTES ON TOXICITY.....	The toxicological properties of this product have not been fully evaluated, but similar materials are considered to be non-toxic. Use of good industrial hygiene practices is recommended. Avoid direct contact with skin or eyes. Do not ingest. Do not inhale in large quantities.
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CHRONIC (LONG TERM) EFFECTS OF EXPOSURE

ROUTE OF ENTRY.....	Skin contact; Eye contact; Inhalation
EFFECTS OF CHRONIC EXPOSURE.....	Generally non-toxic. Use of good industrial hygiene practices is recommended.
TARGET ORGANS.....	Skin; Lungs
CARCINOGEN.....	No.

08-99 12:10P
 NOV-08-99 11:04 CPS LV

7022518882

P.08
 P.07

38-4555

PAGE 5 OF 6
 September 17, 1998

*** MATERIAL SAFETY DATA SHEET ***

12. ECOLOGICAL INFORMATION

Not available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS..... Waste disposal should be in accordance with existing federal, state and local environmental regulations.

EMPTY CONTAINER WARNINGS..... Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

14. TRANSPORTATION INFORMATION

DOT INFORMATION..... Not Applicable

UNITED NATIONS INFORMATION

U.N. NUMBER..... N/A
 U.N. CLASS..... N/A

15. REGULATORY INFORMATION

TSCA..... All components are on the TSCA inventory.

SARA/TITLE III..... This product contains no substances at or above the reporting threshold under Section 313, based on data available..

The information given and the recommendations made herein apply to our product(s) alone and are not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guaranty of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.

Nov-08-99 12:10P

P.07

DOT INFORMATION..... Not Applicable

UNITED NATIONS INFORMATION

U.N. NUMBER..... N/A
U.N. CLASS..... N/A

15. REGULATORY INFORMATION

TSCA..... All components are on the TSCA inventory.
SARA/TITLE III..... This product contains no substances at or above the reporting threshold under Section 313, based on data available..

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Nov-08-99 12:10P

Nov-08-99 11:03 CPS LV

7022518882

P.06

P.05

38-4555

PAGE 6 OF 6
September 17, 1998

*** MATERIAL SAFETY DATA SHEET ***

16. OTHER INFORMATION

MSDS DATE..... September 23, 1996

FOR REGULATORY INFORMATION, CONTACT:

Philip A. Toscano
Regulatory Coordinator
Adhesives Division
National Starch & Chemical Company
Finderna Avenue, P.O. Box 6500
Bridgewater, NJ 08807
USA
Telephone: 908-685-5379
FAX: 908-685-5306

Renolit-Werke GmbH

RENOLIT



Customer:

SAFETY DATA SHEET

according to 91/155/EEC page 2 of 7

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4 FIRST AID MEASURES

No specific measures.

5 FIRE-FIGHTING MEASURES

- Extinguishing media: water, foam, carbon dioxide, dry extinguishing media
- Not be used: -
- Specific hazards: due to developement of carbon monoxide and hydrogen chloride in the case of fire: self-contained breathing apparatus.
- Further information: Fire debris must be disposed of in accordance with local regulations

6 ACCIDENTAL RELEASE MEASURES

No special measures

Renolit-Werke GmbH

RENOLIT



Customer:

SAFETY DATA SHEET

according to 91/155/EEC page 3 of 7

Product name:	Renolit-Foil	Date:	2000-09-19
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7 HANDLING AND STORAGE

7.1 Handling:
Advice on safe handling:
In the case of hot processing exhaust system required.

7.2 Storage:
Keep at temperatures below 60°C .
The relevant fire protection measures should be noted.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Components with workplace control parameters: -

8.2 Personal protective equipment. -

Renolit-Werke GmbH

RENOLIT



Customer:

SAFETY DATA SHEET

according to 91/155/EEC

page 4 of 7

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9 PHYSICAL AND CHEMICAL PROPERTIES

9.1	Form:	solid
	Colour:	glassclear
	Odour:	odourless
9.2	Physical data and safety data	
	PH value	not applicable
	Change in physical state:	not applicable
	Flash point:	not applicable
	Ignition temperature:	(FIT) ca. 390 °C
	Explosion limits:	not applicable
	Density:	at 23°C ca. 1,4 g/cm³
9.3	Further information:	Starts to decompose at 200°C, dependent on time.
	Hazardous decomposition products:	hydrogenchloride

10 STABILITY AND REACTIVITY

No thermal decomposition at normal use.

Renolit-Werke GmbH

RENOLIT



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SAFETY DATA SHEET

according to 91/155/EEC page 5 of 7

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11 TOXICOLOGICAL INFORMATION

Acute toxic effects or chronic toxic effects are unknown.

12 ECOLOGICAL INFORMATION

No known environmental contamination.

13 DISPOSAL CONSIDERATIONS

Disposal key FWC-Code 150102 plastiques
internal Code: PVC-foil

Dispose of assorted and unpolluted foil waste at recycling companies.
Other foil waste can be landfilled or incinerated like inert waste together
with refuse, taking into consideration the local authority's regulations.

Renolit-Werke GmbH

RENOLIT



Customer:

SAFETY DATA SHEET

according to 91/155/EEC

page 6 of 7

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14 TRANSPORT INFORMATION

Not classified as hazardous under transport regulations.

15 REGULATORY INFORMATION

(5.1) Labelling according to EEC Directives.
Not subject to labelling.

Attn: Levy Page

Renolit-Werke GmbH



Customer:

SAFETY DATA SHEET

according to 91/155/EEC page 7 of 7

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15.2 National legislation / regulations

According to the statutory order for dangerous substances Renolit foils are not regulatory products.

Water hazard class: WGK (0) (Germany) (self-classification)

16 OTHER INFORMATION

The information contained herein is based on the present state of our knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not, therefore, be construed as a guarantee for any specific property of the product.