

SAFETY DATA SHEET

in accordance with Globally Harmonized System of Classification of Chemicals

No. R-1783GHS-02

Identity (As Used on Label and List)

Revised Date: October 31, 2011

Prepared Date: July 22, 2011

EXCENOL 3031KF1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation

Product name: EXCENOL 3031KF1

Chemical name: Polyether Polyol

1.2 Use of the substance/preparation

For sealant or adhesive

1.3 Company/undertaking identification

Manufacturer's Name

ASAHI GLASS Co., Ltd.

Emergency Telephone Number

+81-3-3218-5405

Address

1-5-1, Marunouchi, Chiyoda-ku, Tokyo 100-8405, Japan

Telephone Number for Information:

+81-3-3218-5404

Facsimile Number for Information:

+81-3-3218-7845

2. HAZARDS IDENTIFICATION

Application of the classification rules in GHS

PHYSICAL HAZARDS

Flammable liquid	not classified
Pyrophoric liquid	not classified

HEALTH HAZARDS

Acute toxicity(oral)	not classified
Aspiration hazard	Classification not possible

Signal word: Not Applicable

Hazard statement: Not Applicable

Precautionary statement: Not Applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components

CAS-No	Name	% Weight
9082-00-2	Polyether Polyol	100

4. FIRST-AID MEASURES

- **Inhalation:**
Remove to fresh air and give to stop coughing.
Get immediate medical attention.
- **Eye Contact:**
Immediately flush with large amounts of water for at least 15 minutes.
Get immediate medical attention.
- **Skin Contact:**
Immediately flush with soap and water. Washing any substance off skin is a good safety practice.
- **Ingestion:**
Immediately drink large quantities of water or milk. Induce vomiting (However not compulsion). Get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use water spray, carbon dioxide, dry chemical or foam.

Unsuitable extinguish media/methods: none

Hazardous combustion product or gases: Carbon monoxide, carbon dioxide, oxides of nitrogen.

Special protective equipment for fire fighters: Wear a self-contained breathing apparatus and full protective clothing.

Additional Information: Use water spray to cool nearby containers and structures exposed to fire. Extinguish all nearby source of ignition.

6. ACCIDENTAL RELEASE MEASURES

NOTES :

- (1)Remove all sources of ignition.
- (2)Care must be taken not to dump the spill materials to sewers or rivers.
- (3)In case of small spills spill materials may be absorbed using clay, sand, sawdust or rag.
- (4)Large spills
 - 1)Stop the spill material by the sand barrier etc. And lead it to the safety zone(area)and collect it.
 - 2)Remove all person from near the spill area.
 - 3)Stop the source of spill as soon as possible.
 - 4)Notify appropriate personnel and take help.
 - 5)When working, wear the protective clothing and avoid to contact the spill to skins and eyes.

Additional information:

Information for safe handling looks up chapter 7.

Information for disposal looks up chapter 13.

7. HANDLING AND STORAGE

Handling:

- Ventilation is needed to avoid breathing vapor.
- Avoid contact with eyes, skins and clothing. Wear impervious protective clothing such as gloves, outer clothing. Wear goggles or full face mask as required to protect eyes.
- Wash thoroughly with soap and water after handling.
- If clothing comes in contact with the product it should be laundered before re-use.
- Adequate ventilation recommended in indoor handling area.
- Impervious materials is recommended as floor material of handling area.

Storage:

- Store in closed containers in a cool, well ventilated place away from heat, sources of ignition.
- Fire in area stored should be prohibited.
- Keep tightly container closed when not in use.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Ingredients with occupational exposure limits to be monitored

N/A

Exposure controls

occupational exposure controls

Engineering Controls:

If concentrated vapor or mist occurs in use, local exhaust ventilation is recommended to maintain levels to below the exposure standards.

Personal protection:

- **Respiratory protection:** If need, use chemical cartridge respirator with an organic cartridge.
- **Eye Protection:** Safety glasses.
- **Skin Protection:** Impervious protective clothing
Protective gloves and boots

Additional Information: An eyewash and safety shower should be nearby and ready for use.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance and Odor :** Viscous liquid, low odor
- **pH value:** 7
- **Boiling Point:** N/D
- **Flash Point (Method Used):** 238deg.C (C.O.C.)
- **Flammable Limits: LEL = N/A; UEL = N/A**
- **Specific Gravity (H2O = 1):**1.01g/cm3 (25 deg.C)
- **Vapor Pressure:** N/D
- **Melting Point:** N/D
- **Evaporation Rate (Ethyl ether=1) :** N/D
- **Solubility in Water :** slightly soluble

10. STABILITY AND REACTIVITY

Conditions to avoid: It will react with Isocyanates rapidly with heat evolution.

Stability: Stable

Materials to avoid (Incompatibilities): Strong acids, strong oxidizing agents.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: N/D

Sensitization: N/D

Mutagenicity: N/D

Carcinogenicity

- NTP: N/E
- IARC Monographs: N/E
- OSHA Regulated: N/E

12. ECOLOGICAL INFORMATION

Biodegradability: N/D

Bioaccumulation: N/D

Other information: N/D

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

- Do not dump into sewers, rivers and ocean because it causes water pollution.
- Take up with an absorbent material and place in non-leaking containers.
- Incineration is recommended not depending on the amount.

Do not dump this product into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

This product is not the dangerous goods within the meaning of Recommendations on the Transport of Dangerous Goods Model Regulations by UNITED NATIONS.

- **UN No.:** Not regulated
- **Shipping class:** Not classified
- **ADR/RID Status:** Not restricted
- **IMDG Status:** Not restricted
- **ICAO/IATA Status:** Not restricted

15. REGULATORY INFORMATION

Ensure this material in compliance with federal requirements and ensure conformity to local regulation.

Other information

Classification

This product is not the dangerous substances within the meaning of the classification, packaging and labeling according to EC Directives.

- **EEC Classification:** Not classified
- **Hazard symbol:** Not classified
- **Risk phrases:** Not classified
- **Safety phrases:** Not classified

Regulations

- **TSCA Inventory Status (USA):** This product is listed on the TSCA Inventory.
- **Council Directive 92 / 32 / EEC Status:** All monomers are listed in the EINECS.

16. OTHER INFORMATION

N/D: no data

N/A: not applicable

N/E: not established

C.O.C.: Cleveland Open Cup

Caution : This substance is not yet investigated regards to toxicity test.
Changes were made in sections: Section 1(2011.10)

The product is not designed for special applications such as pharmaceutical, medical use.
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