



SAFETY DATA SHEET

KisFoam S

1 IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND OF THE COMPANY UNDERTAKING

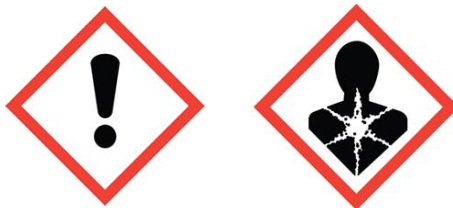
PRODUCT NAME KisFoam S
APPLICATION Polyurethane Sealant for Leak Repair
SUPPLIER Kensetsu International (S) Pte Ltd
No.7 Mandai Link #09-24
Mandai Connection
Singapore 728653
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2 HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45) Xn; R20, R48/20. Carc. Cat. 3;R40. R42/43. Xi;R36/37/38.
CLASSIFICATION (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human Health	Acute Tox. 4 - H332;Skin Irrit. 2 - H315;Eye Irrit. 2 - H319;Resp. Sens. 1 - H334;Skin Sens. 1 - H317;Carc. 2 - H351;STOT SE 3 - H335;STOT RE 2 - H373
Environment	Not classified.

LABEL IN ACCORDANCE with (EC) NO. 1272/2008



SIGNAL WORD CONTAINS

Danger
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE
DIPHENYLMETHANEDIISOCYANATE - Isomers & homologues

HAZARD STATEMENTS

H315 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
P285 In case of inadequate ventilation wear respiratory protection.



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- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+313 IF exposed or concerned: Get medical advice/attention.
- P313 Get medical advice/attention.
- P314 Get medical advice/attention if you feel unwell.
- P342+311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
- P501 Dispose of contents/container to an approved waste disposal plant.

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash ... thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.

- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P304+341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P321 Specific treatment (see ... on this label).
- P332+313 If skin irritation occurs: Get medical advice/attention.
- P333+313 If skin irritation or rash occurs: Get medical advice/attention.
- P337 If eye irritation persists:
- P362 Take off contaminated clothing and wash before reuse.
- P363 Wash contaminated clothing before reuse.
- P403+233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

SUPPLEMENTARY PRECAUTIONARY STATEMENTS

Supplemental Label Information (EU)

EUH204 Contains isocyanates. May produce an allergic reaction.

3 COMPOSITION/INFORMATION ON INGREDIENTS

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE		30 – 60%
CAS-No.: 101-68-8	EC No.: 202-966-0	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Acute Tox. 4 - H332	Carc. Cat. 3;R40	
Skin Irrit. 2 - H315	Xn;R20,R48/20	
Eye Irrit. 2 - H319	Xi;R36/37/38	
Resp. Sens. 1 - H334	R42/43	
Skin Sens. 1 - H317		
Carc. 2 - H351		
STOT SE 3 - H335		
STOT RE 2 - H373		



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DIPHENYLMETHANEDIISOCYANATE - Isomers & homologues		30 – 60%
CAS-No.: 9016-87-9	EC No.:	
1. Classification (EC 1272/2008) Classification	(67/548/EEC)	
Not classified.	Xn;R20.	
	Xi;R36/37/38.	
	R42.	

The full text for all R-Phrases and Hazard Statements is displayed in Section 16.

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

Do Not induce vomiting. Get medical attention immediately. Immediately rinse mouth and provide fresh air.

SKIN CONTACT

Wash skin thoroughly with soap and water. Promptly wash contaminated skin with water. Promptly remove clothing if soaked through and wash the skin with water. Get medical attention if irritation persists after washing.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide or dry power.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. NOTE! Use air-supplied respirators to protect against gases/fumes.

PROTECTIVE MEASURES IN FIRE

Wear full protective clothing.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENT PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Absorb spillage with non-combustible, absorbent material. Collect with absorbent, non-combustible material into suitable containers. Use sealed containers for reclamation or dispose of in a licenced hazardous waste collection point. Avoid contact with water.



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7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Read and follow manufacturer's recommendations.

STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Keep containers tightly closed. Store in tightly closed container in a dry and cool place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA – 8hrs	STEL – 15mins	Notes
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE		0.02 mg/m ³	0.07 mg/m ³	
DIPHENYLMETHANEDIISOCYANATE – Isomers & homologues		0.02 mg/m ³	0.07 mg/m ³	

PROTECTIVE EQUIPMENT



PROCESS CONDITION

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3).

HAND PROTECTOR

Use protective gloves made of: Nitrile Rubber (Natural, Latex), Rubber, Neoprene or PVC.

EYE PROTECTION

Wear approved safety goggles.

HYGIENE MEASURES

Wash hands after contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Brownish Liquid
ODOUR	Characteristic
MELTING POINT (°C)	<10
RELETIVE DENSITY	1.12
VISCOSITY	300 – 400 cps
FLASH POINT (°C)	>150



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10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Water, moisture.

MATERIALS TO AVOID

Strong acids. Amines. Bases, alkalis (inorganic). Bases, alkalis(organic). Alkaline earth metal in powder form: lead, zinc, aluminium, brass and tin. Acids, nitrile, ammonium compounds, cyanide, magnesium, organic nitro compounds, organic combustible substances, phenols, oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS

When heated, toxic and corrosive vapours/gases may be formed. Hydrogen cyanide (HCN).

11 TOXICOLOGICAL INFORMATION

INHALATION

No relevant at normal room temperatures. When heated, toxic vapours may be formed.

INGESTION

May cause discomfort if swallowed. Irritating, may cause nausea, stomach pain and vomiting.

SKIN CONTACT

May cause sensitisation by skin contact.

EYE CONTACT

Irritation of eyes and mucous membranes.

ROUTE OF ENTRY

Inhalation. Ingestion. Skin and/or eye contact.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Dangerous for the environment if discharges into watercourses.

BIOACCUMULATION

No data available on bioaccumulation.

13 DISPOSAL CONSIDERATION

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Disposal of waste and residues in accordance with local authority requirements.



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14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulation on the transport of Dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

**ENVIRONMENTALLY
HAZARDOUS
SUBSTANCE/MARINE
POLLUTANT**

No

15 REGULATORY INFORMATION

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health. The Chemicals (Hazard information and packaging for supply) Regulations 2009 (S.I 2009 No. 716).

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG (108).

16 REGULATORY INFORMATION

REVISION DATE

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REV. NO. SDS-S-V2**DATE 28/12/2016****DISCLAIMER**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. KENSETSU INTERNATIONAL (S) PTE LTD shall not be held liable for any damage resulting from contact with or handling of the above products