



KOTA™ FIX

Safety Data Sheet

Based on Directive 2001/58/EC of the Commission of the European Communities

1.1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

Product name: KOTA™ FIX

1.2 Use of the substance/preparation: Adhesive

1.3 Company/undertaking identification:

W.Howard Kildare Limited, Arthurstown, Kill, Co. Kildare, Ireland. Tel: +353 45 877 671

1.4 Emergency telephone: +32 14 58 45 45 (24h/24h)

Information centre on dangerous goods (BIG)
Technische Schoolstraat 43A, B2440 Geel, Belgium

2.0 COMPOSITION/INFORMATION ON INGREDIENTS:

Hazardous Ingredients	CAS No. EINECS / ELINCS No.	Conc. (%)	Hazardous (Rphrases)	Hazard Symbol
bis (2, 2, 6, 6-tetramethyl-4-piperidyl) sebacate	52829-07-9 258-207-9	0.25 - <2.5	Xi;N	36-51/53 (1)
gas oil not specified	64742-46-7 265-148-2	1 - <5	Xn	65-66 (1) (Labelling in compliance with CONCAWE)
trimethoxyvinylsilane	2768-02-7 220-449-8	1 - <5	Xn	10-20 (1)
3-(trimethoxysilyl) propylamine	13822-56-5 237-511-5	1 - <5	Xi	36/38 (1)

(1) For Rphrases in full: see heading 16

3.0 HAZARDS IDENTIFICATION:

Not classified as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC

4.0 FIRST AID MEASURES:

4.1 Eye contact:

Rinse immediately with plenty of water
Seek medical advice

- 4.2 Skin contact:**
Rinse immediately with plenty of water
If irritation persists: seek medical advice
- 4.3 After inhalation:**
Remove the victim into fresh air
Seek medical advice
- 4.4 After ingestion:**
Never give water to an unconscious person
Do not induce vomiting
Seek medical advice
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5. FIREFIGHTING MEASURES

- 5.1 Suitable extinguishing media:**
Non combustible extinguishing media for surrounding fires: all extinguishing media allowed
- 5.2 Unsuitable extinguishing media:**
None
- 5.3 Special exposure hazards:**
Upon combustion CO and CO₂ are formed
- 5.4 Instructions:**
No specific fire fighting instructions required
- 5.5 Special protective equipment for firefighters:**
Heat/fire exposure: compressed air/oxygen apparatus
Protective clothing for exposure to chemicals
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6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions:**
See heading 8.2
- 6.2 Environmental precautions:**
Use appropriate containment to avoid environmental contamination
See heading 13
- 6.3 Methods for cleaning up:**
Cover spill with inert material e.g. sand, earth, vermiculite
Shovel solid spill into closing drums
Clean contaminated surfaces with an excess of water
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7. HANDLING AND MEASURES

- 7.1 Handling:**
Avoid prolonged and repeated contact with skin
- 7.2 Storage:**
Keep container tightly closed
Storage temperature: Room temperature
Quantity limits: N.D. kg Storage life: 365 Days
Materials for packaging: suitable: synthetic material
- 7.3 Specific use(s):**
See information supplied by the manufacturer

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure limit values:

8.1.1 Occupational exposure:

TLV-TWA: not listed

TLV-STEL: not listed

TLV-Ceiling: not listed

WEL- LTEL: not listed

WEL-STEL: not listed

TRGS 900: not listed

MAK: not listed

GWBNL 8 h: not listed

GWKNL 15 min.: not listed

Ceiling: not listed

VME-8 h: not listed

VLE-15 min.: not listed

GWBB-8 h: not listed

GWK-15 min.: not listed

Momentary value: not listed

EC: not listed

EC-STEL: not listed

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

Work under local exhaust/ventilation Personal protective equipment:

a) Respiratory protection: Respiratory protection not required in normal conditions

b) Hand protection: Gloves

c) Eye protection: Safety glasses

d) Skin protection: Protective clothing

8.2.1 Occupational exposure controls:

Work under local exhaust/ventilation Personal protective equipment:

8.2.2 Environmental exposure controls:

see heading 13

8.3.1 Respiratory protection:

Respiratory protection not required for normal conditions of use

8.3.2 Hand protection:

Chemically resistant gloves

8.3.3 Eye protection:

Safety glasses

8.3.3 Skin protection:

Suitable protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information:

Appearance (at 20°C): Paste Odour: Characteristic Colour: Variable in colour

9.2 Important health, safety and environmental information:

pH value: N.D. Boilingpoint/boilingrange: N.D. °C Flashpoint: N.A. °C Explosion limits: N.D.
Vol% Vapour pressure (at 20°C): N.D. hPa Vapour pressure (at 50°C): N.D. hPa Relative density
(at 20°C): 1.5 Water solubility: Insoluble Soluble in: No data available Relative vapour density:
N.D. Viscosity(at 20°C): N.D. Pa.s Partition coefficient noctanol/water: N.D. Evaporationrate
Ratioto butylacetate: N.D. Ratio to ether: N.D.

9.3 Other information:

Melting point/melting range :N.D. °C
Auto-ignition point :N.D. °C
Saturation concentration :N.D. g/m³

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid:

Stable under normal conditions

10.2 Materials to avoid:

None

10.3 Hazardous decomposition products:

Upon combustion CO and CO₂ are formed
Slight irritation

11. TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity:

bis (2, 2, 6, 6 TETRAMETHYL-4-PIPERIDY L) SEBACATE:

LD50 oral rat: 3700 mg/kg
LD50 dermal rat: N.D mg/kg
LD50 dermal rabbit: N.D mg/kg
LD50 inhalation rat: N.D mg/1/4 h
LD50 inhalation rat: N.D ppm/ 4 h

TRIMETHOXYVINYL SILANE:

LD50 oral rat: 7120 mg/kg
LD50 dermal rabbit: N.D mg/kg
LD50 dermal rabbit: 3434 mg/kg
LD50 inhalation rat: 16 mg/1/4 h
LD50 inhalation rat: 2714 ppm/4 h

3(TRIMETHOXY S ILYL)PROPY LAMINE:

LD50 oral rat: N.D mg/kg
LD50 dermal rabbit: N.D mg/kg
LD50 dermal rabbit: 11400 mg/kg
LD50 inhalation rat: N.D mg/1/4 h
LD50 inhalation rat: N.D ppm/4 h

11.2 Chronic Toxicity

EC carc. cat: not listed
EC muta. cat: not listed
EC repr. cat: not listed

Carcinogenicity (TLV): not listed
Carcinogenicity (MAC): not listed
Carcinogenicity (VME): not listed
Carcinogenicity (GWBB): not listed

Carcinogenicity (MAK): not listed
Mutagenicity (MAK): not listed
Teratogenicity (MAK): not listed

IARC classification: not listed

11.3 Routes of exposure:

Ingestion, inhalation, eyes and skin

11.4 Acute effects/symptoms:

Unlikely to cause harmful effects

11.5 Chronic effects:

Not listed in carcinogenic class (IARC, EC, TLV, MAK)
Not listed in mutagenicity class (EC, MAK)
Not classified as toxic to reproduction (EC)
Unlikely to cause harmful effects

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

bis (2, 2, 6, 6-TETRAMETHYL-4-PIPERIDY L) SEBACATE:

LC50 (96 h): 4.4 mg/l (brach ydanio reperio)
EC50 (24 h): 17 mg/l (DAPHNIA sp.)
EC50 : 1.9 MG/l (ALGAE)

TRIMETHOXY VINYLSILANE:

LC50 (96 h): >100mg/l (brach ydanio reperio)
EC50 (48 h): 168.7 mg/l (DAPHNIA MAGNA)

12.2 Mobility

Insoluble in water
Substance sinks in water
For other physich chemical properties see section 9

12.3 Persistence and Degradability

Biodegradation BOD5: N.D % ThOD
Water: no data available
Soil: T¹/₂: N.D. days

12.4 Bioaccumulative potential:

Log Pow: N.D.
BCF: N.D.

12.5 Results of PBT assessment:

Not applicable, based on available data

12.6 Other adverse effects:

WGK: 1 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)

Effect on the ozone layer: Not dangerous for the ozone layer (1999/45/EC)

Greenhouse effect: No data available

Effect on waste water purification: No data available

13. DISPOSAL CONSIDERATIONS

13.1 Provisions relating to waste:

Waste material code (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 080410 (waste adhesives and sealants other than those mentioned in 08 04 09)

13.2 Disposal methods:

Remove to an authorized waste treatment plant

Do not discharge into drains or the environment

13.3 Packaging/Container:

Waste material code packaging (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 02 (plastic packaging)

14. TRANSPORT INFORMATION

14.1 Classification of the substance in compliance with UN Recommendations

UN number	Not subject
CLASS	
SUB RISKS	
PACKING GROUP	
PROPER SHIPPING NAME	

14.2 ADR (transport by road):

CLASS	Not subject
PACKING GROUP	
CLASSIFICATION CODE	
DANGER LABEL TANKS	
DANGER LABEL PACKAGES	

14.4 RID (transport by rail)

CLASS	Not subject
PACKING	
CLASSIFICATION CODE	
DANGER LABEL TANKS	
DANGER LABEL PACKAGES	

14.5 IMDG (maritime transport)

CLASS	Not subject
PACKING	
CLASSIFICATION CODE	
DANGER LABEL TANKS	
DANGER LABEL PACKAGES	

14.6 ICAO (air transport)

CLASS	Not subject
SUB RISKS	
PACKING GROUP	
MFAG	
EMS	
MARITIME POLLUTANT	

14.7 Special precautions:

Not restricted for any mode of international transport

15. REGULATORY INFORMATION

Labelling in accordance with directives 67/548/EEC and 1999/45/EC

NOT REQUIRED ACCORDING TO AVAILABLE INFORMATION

16. OTHER INFORMATION

The information provided on this SDS 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N.A. = NOT APPLICABLE

N .D. = NOT DETERMINED

(*) = INTERNAL CLASSIFICATION (NFPA)

PBT-substances = persistent, bioaccumulative and toxic substances

Exposure limits:

TLV: Threshold Limit Value ACGIH USA

WEL: Workplace Exposure Limits United Kingdom

TRGS 900: Technische Regel für Gefahrstoffe 900 (Arbeitsplatzgrenzwerte) Germany

MAK: Maximale Arbeitsplatzkonzentrationen Germany

GWBNL: Grenswaarde voor blootstelling The Netherlands

GWKNL: Grenswaarde korte duur The Netherlands

VME: Valeurs limites de Moyenne d'Exposition France

VLE: Valeurs limites d'Exposition à court terme France

GWBB: Grenswaarde beroepsmatige blootstelling Belgium

GWK: Grenswaarde kortstondige blootstelling Belgium

EC: Indicative occupational exposure limit values

I: Inhalable fraction = T: Total dust = E: Einatembarer Aerosolanteil
R: Respirable fraction = A: Alveolengängiger Aerosolanteil/Alveolar dust
C: Ceiling limit

a: aerosol
d: damp (vapour)
du: dust
fa: Faser (fibre)
fi: fibre
fu: fume
p: poussière (dust)
r: rook/Rauch (fume)
st: stof/Staub (dust)
ve: vezel (fibre)
va: vapour
om: oil mist
on: olienevel/Ölnebel (oil mist)
part: particles

Chronic toxicity:

K: List of the carcinogenic substances and processes The Netherlands

Full text of any Rphrases referred to under heading 2:

R10: Flammable

R20: Harmful by inhalation

R36: Irritant to the eyes

R36/38: Irritating to eyes and skin

R51/53: Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment

R65: Harmful: may cause lung damage if swallowed

R66: Repeated exposure may cause skin dryness or cracking