

SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

Honeywell

OS® 4010/1984 methyl-tetraoximino silane blend

KOC65571

Version 1.2

Revision Date 13.02.2008

Print Date 08.02.2010

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

Product information

Trade name : OS® 4010/1984 methyl-tetraoximino silane blend

Product code : KOC65571

Company/Undertaking Identification

Company : Honeywell International, Inc.
101 Columbia Road
07962-1057 Morristown

Telephone :

Telefax :

Emergency telephone :

For further information, please contact: : SafetyDataSheet@Honeywell.com

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Xn, Harmful

R36/38 Irritating to eyes and skin.

R43 May cause sensitization by skin contact.

Irritant
sensitizing

See Section 11 for more detailed information on health effects and symptoms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Chemical Name : OS® 4010/1984 methyl-tetraoximino silane blend

Hazardous components

Chemical Name	CAS-No.	EC-No.	Index-No.	Classification	Concentration [%]
Butan-2-one O,O',O''- (methylsilylidyne)trioxime	22984-54-9	245-366-4		Xi; R36/38-R43	<= 90
Butan-2-one O,O',O'',O'''- silanetetrayltetra oxime	34206-40-1	251-882-0		Xi; R43-R36/38	<= 15
Butanone oxime	96-29-7	202-496-6	616-014-00-0	R40 Xn; R21 Xi; R41 R43	< 1

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				Carcinogenic Category 3	
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Occupational Exposure Limit(s), if available, are listed in Section 8.
For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

- General advice : Take off all contaminated clothing immediately.
- Inhalation : Move to fresh air.
Artificial respiration and/or oxygen may be necessary.
Call a physician immediately.
- Skin contact : Wash off immediately with plenty of water.
If symptoms persist, call a physician.
- Eye contact : In the case of contact with eyes, rinse immediately with plenty
of water and seek medical advice.
- Ingestion : When swallowed, allow water to be drunk.
Do NOT induce vomiting.
Call a physician immediately.

See Section 11 for more detailed information on health effects and symptoms.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry powder
- Extinguishing media which shall not be used for safety reasons : Water
- Specific hazards during fire fighting : Fire may cause evolution of:
Carbon dioxide (CO₂)
Carbon monoxide
nitrogen oxides (NO_x)
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
No unprotected exposed skin areas.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ensure adequate ventilation.
In the case of dust or aerosol formation use respirator with an approved filter.
Avoid contact with skin and eyes.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
Do not allow material to contaminate ground water system.
- Methods for cleaning up : Soak up with inert absorbent material.
Pick for disposal in tightly closed containers

For personal protection see section 8.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Exhaust ventilation at the object is necessary.
- Advice on protection : Keep away from heat and sources of ignition.

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against fire and explosion Protect against water.

Storage

Further information on storage conditions : Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage : Do not store together with:
Oxidizing agents
Acids
Keep away from water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : A
Remarks: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection : Glove material: butyl-rubber

Eye protection : Goggles

Skin and body protection : Protective suit

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid

Colour : colourless

Odour : ether-like

Safety data

Boiling point/boiling range : 300 °C
at 1.013 hPa

Flash point : 65,6 - 93,3 °C
Method: closed cup

Vapour pressure : 0,03 Pa
at 150 °C

Density : 0,975 g/cm³
at 20 °C

Water solubility : Remarks: Reacts violently with water.

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10. STABILITY AND REACTIVITY

- Conditions to avoid : Heat.
Protect against water.
- Materials to avoid : Reactions with water and acids.
Strong oxidizing agents
- Hazardous decomposition products : Methylene ketoxime (MEKO)
Methyl ethyl ketone
Carbon monoxide
Carbon dioxide (CO₂)
Silicone oxide
nitrogen oxides (NO_x)
- Thermal decomposition : Note: No decomposition if used as directed.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50
Species: rat
Dose: 2 - 3 mg/kg
- Further information : Remarks: The toxicological information is based on the main components.

12. ECOLOGICAL INFORMATION

- Additional ecological information : No information on ecology is available.

13. DISPOSAL CONSIDERATIONS

- Product : Dispose according to legal requirements.
- Packaging : Legal requirements are to be considered in regard of reuse or disposal of used packaging materials

14. TRANSPORT INFORMATION

ADR
Not dangerous goods

IATA
Not dangerous goods

IMDG
Not dangerous goods

RID

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Not dangerous goods

15. REGULATORY INFORMATION

Labelling according to EC Directives 1999/45/EC

Symbol(s)	: Xn	Harmful
R-phrase(s)	: R36/38 R43	Irritating to eyes and skin. May cause sensitization by skin contact.
S-phrase(s)	: S23 S24 S26 S37	Do not breathe vapour. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves.

Hazardous components which must be listed on the label:

- Butan-2-one O,O',O''- 22984-54-9
(methylsilylidyne)trioxime
- Butan-2-one O,O',O'',O'''- 34206-40-1
silanetetrayltetraoxime

16. OTHER INFORMATION

Text of R-phrases referred to under heading 3

Butan-2-one O,O',O''- (methylsilylidyne)trioxime	: R36/38 R43	Irritating to eyes and skin. May cause sensitization by skin contact.
Butan-2-one O,O',O'',O'''- silanetetrayltetraoxime	: R43 R36/38	May cause sensitization by skin contact. Irritating to eyes and skin.
Butanone oxime	: R40 R21 R41 R43	Limited evidence of a carcinogenic effect. Harmful in contact with skin. Risk of serious damage to eyes. May cause sensitization by skin contact.

Further information

The information provided in this Safety Data Sheet 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 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 materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.

This information should not constitute a guarantee for any specific product properties.