

SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

Honeywell

OS® 2000/440 Vinyl Oximino Silane

KOC65554

Version 1.3

Revision Date 11.02.2008

Print Date 05.02.2010

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

Product information

Trade name : OS® 2000/440 Vinyl Oximino Silane

Product code : KOC65554

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

Xi, Irritant

R38 Irritating to skin.
R41 Risk of serious damage to eyes.
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® 2000/440 Vinyl Oximino Silane
CAS-No. : 2224-33-1
EC-No. : 218-747-8

Hazardous components

Chemical Name	CAS-No.	EC-No.	Index-No.	Classification	Concentration [%]
Butan-2-one O,O',O''- (vinylsilyldiyl)tr ioxime	2224-33-1	218-747-8		Xi; R38-R41-R43	>= 90
Butanone oxime	96-29-7	202-496-6	616-014-00-0	R40 Xn; R21 Xi; R41 R43 Carcinogenic	< 1

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Category 3

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

- 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 : Dry chemical
Alcohol-resistant foam
Carbon dioxide (CO₂)
- Extinguishing media which shall not be used for safety reasons : Water
Foam
- 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.
- Environmental precautions : Do not flush into surface water or sanitary sewer 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.
Keep container tightly closed.

Storage

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

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

- Respiratory protection : 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

- Melting point/range : -59 °C
- Boiling point/boiling range : 300 °C
at 1.013 hPa
- Flash point : 62 °C
Method: closed cup
- Vapour pressure : 1.500 µPA
at 117 °C
- Density : 0,988 g/cm³
at 20 °C
- Water solubility : Remarks: Reacts violently with water.

10. STABILITY AND REACTIVITY

- Conditions to avoid : Heat.
Protect against water.
- Materials to avoid : Reactions with water and acids.
Reactions with various metals.
Iron

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- Hazardous decomposition products : Methyl ethyl ketone
Methylethyl ketoxime (MEKO)
Carbon monoxide
Carbon dioxide (CO₂)
nitrogen oxides (NO_x)
Silicone oxide
- Thermal decomposition : Note: No decomposition if used as directed.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50
Species: rat
Dose: 1,9 - 2,5 mg/kg
- Skin irritation : Result: irritating
Remarks: Irritating to skin.
- Eye irritation : Result: Risk of serious damage to eyes.
Remarks: Risk of serious damage to eyes.

12. ECOLOGICAL INFORMATION

- Additional ecological information : Do not flush into surface water or sanitary sewer system.
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
Not dangerous goods

- Other information : Risk of serious damage to eyes.

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15. REGULATORY INFORMATION

Labelling according to EC Directives 1999/45/EC

Symbol(s)	: Xi	Irritant
R-phrase(s)	: R38 R41 R43	Irritating to skin. Risk of serious damage to eyes. May cause sensitization by skin contact.
S-phrase(s)	: S23 S24 S26	Do not breathe spray. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Hazardous components which must be listed on the label:

- Butan-2-one O,O',O''- 2224-33-1
(vinylsilylidyne)trioxime

16. OTHER INFORMATION

Text of R-phrases referred to under heading 3

Butan-2-one O,O',O''- (vinylsilylidyne)trioxime	: R38 R41 R43	Irritating to skin. Risk of serious damage to eyes. May cause sensitization by skin contact.
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.