

OS® 1200/410 Mibkosilane

KOC65564

Version 3.

Revision Date 04.08.2009

Print Date 04.08.2009

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

Product information

Trade name : OS® 1200/410 Mibkosilane
Product code : KOC65564

Company/Undertaking Identification

Company : Honeywell Riedel-de Haën AG
Wunstorfer Straße 40
30926 Seelze
Telephone : (49) 5137-999 0
Telefax : (49) 5137-999 123
Emergency telephone : (49) 5137-999 0
For further information, : SafetyDataSheet@Honeywell.com
please contact:

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

|| Handle in accordance with good industrial hygiene and safety practice.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Chemical Name : OS® 1200/410 Mibkosilane
EC-No. : 423-580-0

Hazardous components

Chemical Name	CAS-No.	EC-No.	Index-No.	Classification	Concentration
A mixture of: O,O',O"- (methylsilanetriyl)tris(4-methyl-2- pentanone oxime) (3 stereoisomers)		423-580-0			>= 90
n-Hexane	110-54-3	203-777-6	601-037-00-0	F; R11 R62 Xn; R48/20-R65 Xi; R38 R67 N; R51-R53 Toxic to Reproduction	< 1

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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 immediately all contaminated clothing.
- Inhalation : In case of accident by inhalation: remove casualty to fresh air and keep at rest.
- Skin contact : After contact with skin, wash immediately with plenty of water.
- 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.
Call a physician immediately.

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

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : 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 monoxide
nitrogen oxides (NOx)

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.
Evacuate personnel to safe areas.
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 protection against fire and explosion : No special precautions required.
Keep away from heat and sources of ignition.

Storage

- Further information on storage conditions : Keep containers tightly closed in a dry, cool and well-ventilated place.
- Advice on common storage : Keep away from sources of ignition, water and alkalies
Do not store with acids or alkalies.

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Keep away from oxidising agents and strongly acid or alkaline materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
- Hand protection : Solvent-resistant gloves (butyl-rubber)
- Eye protection : Goggles
- Protective measures : The Personal Protective Equipment must be in accordance with EN standards:respirator EN 136, 140, 149; safety glasses EN 166; protective suit: EN 340, 463, 468, 943-1, 943-2; gloves EN 374, safety shoes EN-ISO 20345.
Wash hands before breaks and at the end of workday.
Take off all contaminated clothing immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid

Safety data

- Melting point/range : -73,5 °C
- Flash point : > 61,1 °C
Method: closed cup
- Flash point : < 93 °C
Method: closed cup
- Ignition temperature : 280 °C
- Vapour pressure : 280 µPA
at 25 °C
- Density : 0,931 g/cm³
at 22,5 °C
- Water solubility : Remarks: Reacts violently with water.
- Partition coefficient: n-octanol/water : log Pow 12,56

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10. STABILITY AND REACTIVITY

- Materials to avoid : Reacts violently with water.
Reactions with strong acids and alkalies.
Oxidizing agents
- Hazardous decomposition products : nitrogen oxides (NOx)
Carbon oxides
- Thermal decomposition : 235 °C
Note: No decomposition if used as directed.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50
Species: rat
Dose: > 2 g/kg
Method: OECD
- Acute dermal toxicity : LD50
Species: rat
Dose: > 2 g/kg
Method: OECD
- Skin irritation : Species: rabbit
Result: slight irritation
- Eye irritation : Species: rabbit
Result: slight irritation
- Sensitisation : Maximisation Test
Species: guinea pig
Result: Did not cause sensitization on laboratory animals.
Classification: non-sensitizing

- Repeated dose toxicity : Species: **rat**
Route of exposure: **Oral**
Dose Levels: **15 mg/kg/d**
Method: **OECD 408**
Test substance: **The data measured is for the hydrolysed product.**
Remarks: **No observed adverse effect level**

- Further information : Remarks: No experimental information on genotoxicity in vitro available.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

- Biodegradability : Biodegradation: 6 %
Exposure time: 28 d
Result: Not readily biodegradable.

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Method: Closed Bottle test

Biodegradability : Zahn-Wellens Test
Biodegradation: 98 %
Exposure time: 28 d
Method: OECD 302 B
Test substance: The ecological data measured is for the hydrolysed product.
Remarks: Inherently biodegradable.

Ecotoxicity effects

Toxicity to fish : LC50
semi-static test
Species: Oncorhynchus mykiss (rainbow trout)
Value: > 100 mg/l
Exposure time: 96 h

Toxicity to aquatic plants : EC50
Growth inhibition
Species: Pseudokirchneriella subcapitata (green algae)
Value: > 100 mg/l
Exposure time: 72 h

Toxicity to Microorganisms : EC50
Respiration inhibition
Species: activated sludge
Value: > 100 mg/l
Exposure time: 3 h

Acute toxicity to aquatic invertebrates : EC50
Immobilization
Species: Daphnia magna (Water flea)
Value: > 100 mg/l
Exposure time: 48 h

Additional ecological information : Product in presence of water can be quickly hydrolysed.

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

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IMDG

Not dangerous goods

RID

Not dangerous goods

15. REGULATORY INFORMATION

Labelling according to EC Directives 1999/45/EC

Further information : Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

National legislation

16. OTHER INFORMATION

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.