



# SAFETY DATA SHEET

Creation Date 19-Apr-2011

Revision Date 05-Dec-2011

Revision Number 2

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product Identifier

Product Description: Methylpropyldichlorosilane  
Cat No. 432880000; 432880250

### Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Laboratory chemicals  
Uses advised against No Information available

### Details of the supplier of the safety data sheet

#### Company

Acros Organics BVBA  
Janssen Pharmaceuticaaan 3a  
2440 Geel, Belgium

E-mail address begel.sdsdesk@thermofisher.com

### Emergency Telephone Number

For information in the US, call: 001-800-ACROS-01  
For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99  
Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300  
CHEMTREC Phone Number, Europe: 001-703-527-3887

## SECTION 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

#### REGULATION (EC) No 1272/2008

Skin Corrosion/irritation	Category 1 B
Flammable liquids.	Category 3

### Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

Symbol(s) C - Corrosive  
R-phrases(s) R10 - Flammable  
R29 - Contact with water liberates toxic gas  
R34 - Causes burns

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**SECTION 2. HAZARDS IDENTIFICATION**

**Label Elements**



**Signal Word**

**Danger**

**Hazard Statements**

H314 - Causes severe skin burns and eye damage  
 H226 - Flammable liquid and vapor  
 EUH029 - Contact with water liberates toxic gas

**Precautionary Statements - EU (§28, 1272/2008)**

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 P231 + P232 - Handle under inert gas. Protect from moisture  
 P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection  
 P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower

**Other Hazards**

Lachrymator (substance which increases the flow of tears).

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	EC-No.	Weight %	CAS-No	67/548/EEC Classification	CLP Classification - Regulation (EC) No 1272/2008	REACH No.
Methylpropyldichlorosilane 4518-94-9	EEC No. 224-843-0	>95	4518-94-9	C; R34 R10, R29	Skin Corr. 1B (H314) Flam. Liq. 3 (H226) (EUH029)	-

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For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

#### SECTION 4. FIRST AID MEASURES

##### Description of first aid measures

###### **Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

###### **Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.

###### **Ingestion**

Do not induce vomiting. Clean mouth with water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

###### **Inhalation**

Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Immediate medical attention is required.

###### **Notes to Physician**

Treat symptomatically

#### SECTION 5. FIRE-FIGHTING MEASURES

##### Extinguishing media

###### **Suitable Extinguishing Media**

CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam.

###### **Extinguishing media which must not be used for safety reasons**

Contact with water liberates toxic gas.

##### Special hazards arising from the substance or mixture

Flammable. Contact with water liberates toxic gas.

##### Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Remove all sources of ignition. Take precautionary measures against static discharges.

##### Environmental precautions

Should not be released into the environment.

**Methods and material for containment and cleaning up**

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Do not expose spill to water.

**SECTION 7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

Use only under a chemical fume hood. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Use explosion-proof equipment. Do not breathe vapors/dust. Do not ingest. Take precautionary measures against static discharges. Handle under inert gas, protect from moisture.

**Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed in a dry, cool and well-ventilated place. Corrosives area. Flammables area. Keep away from heat and sources of ignition.

**Specific End Uses**

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Biological limit values** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**Exposure controls**

**Engineering Measures** Use only under a chemical fume hood Ensure that eyewash stations and safety showers are close to the workstation location Use explosion-proof electrical/ventilating/lighting/equipment

**Personal protective equipment**

**Eye Protection** Safety glasses with side-shields

**Hand Protection** Protective gloves

**Skin and body protection** Wear appropriate protective gloves and clothing to prevent skin exposure

**Respiratory Protection** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls** No information available.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Liquid
<b>Appearance</b>	Colorless
<b>odor</b>	Acrid
<b>pH</b>	No information available.
<b>Boiling Point/Range</b>	125°C / 257°F @ 760 mmHg
<b>Melting Point/Range</b>	No information available.
<b>Flash Point</b>	27°C / 80.6°F
<b>Autoignition Temperature</b>	No information available.
<b>Water Solubility</b>	Decomposes in contact with water
<b>Density</b>	1.03
<b>Molecular Formula</b>	C4 H10 Cl2 Si
<b>Molecular Weight</b>	157.12

**SECTION 10. STABILITY AND REACTIVITY**
Reactivity
Chemical Stability

Stable under recommended storage conditions. Contact with water liberates toxic gas.

Possibility of Hazardous Reactions

<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions .</b>	None under normal processing..

Conditions to Avoid

Incompatible products, Excess heat, Keep away from open flames, hot surfaces and sources of ignition, Contact with water or moist air liberates irritating gas.

Incompatible Materials

Strong oxidizing agents, Strong bases, Water.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrogen halides. Silicon dioxide.

**SECTION 11. TOXICOLOGICAL INFORMATION**
Information on Toxicological Effects
Acute Toxicity

<b>Product Information</b>	No acute toxicity information is available for this product
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**Component Information****Chronic Toxicity**

<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product
<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available
<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>Target Organs</b>	Skin Respiratory system Eyes Gastrointestinal tract (GI)
<b>Endocrine Disruptor Information</b>	None known

**SECTION 12. ECOLOGICAL INFORMATION****Toxicity**

**Ecotoxicity effects** Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

**Persistence and degradability**

No information available

**Bioaccumulative potential**

No information available.

**Mobility in soil**

No information available.

**Results of PBT and vPvB assessment****Other adverse effects**

No information available

**SECTION 13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

**Waste from Residues / Unused Products** Dispose of in accordance with local regulations

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**Contaminated Packaging**                      Empty containers should be taken to local recyclers for disposal

**SECTION 14. TRANSPORT INFORMATION**

**IMDG/IMO**

**UN-No**    UN2986  
**Hazard Class**                                    8  
**Subsidiary Hazard Class**                    3  
**Packing Group**                                II  
**Proper Shipping Name**                      Chlorosilanes, corrosive, flammable, n.o.s

**ADR**

**UN-No**    UN2986  
**Hazard Class**                                    8  
**Subsidiary Hazard Class**                    3  
**Packing Group**                                II  
**Proper Shipping Name**                      Chlorosilanes, corrosive, flammable, n.o.s

**IATA**

**UN-No**    UN2986  
**Hazard Class**                                    8  
**Subsidiary Hazard Class**                    3  
**Packing Group**                                II  
**Proper Shipping Name**                      Chlorosilanes, corrosive, flammable, n.o.s

**SECTION 15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**International Inventories**

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Methylpropyldichlorosilane	224-843-0	-		X	-	X	-	X	-	X	-

**Legend**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances

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**CHINA** - China Inventory of Existing Chemical Substances**AICS** - Inventory of Chemical Substances**KECL** - Existing and Evaluated Chemical Substances**Chemical Safety Assessment****SECTION 16. OTHER INFORMATION****Full text of R-phrases referred to under sections 2 and 3**

R10 - Flammable

R29 - Contact with water liberates toxic gas

R34 - Causes burns

**Revision Date**

05-Dec-2011

**Revision Summary**

Not applicable

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006****Disclaimer**

The information provided on 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 guide 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.

**End of Safety Data Sheet**