

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 11.08.2010

Revision: 11.08.2010

**1 Identification of substance****Product details****Trade name****3-Trimethylsilyl-1-propylboronic acid pinacol ester****Stock number:**

H28413

**Manufacturer/Supplier:**Alfa Aesar GmbH & Co.KG  
Benzstrasse 3  
D-76185 Karlsruhe / GermanyE-mail: gcat@matthey.com  
www.alfa-chemcat.com**Informing department:**

Product safety department.

**Emergency information:**Giftnotruf Universität Mainz / Poison Information Center Mainz  
www.giftinfo.uni-mainz.de Telefon: +49(0)6131/19240**2 Hazards identification****Hazard designation:**

void

**Information pertaining to particular dangers for man and environment**

Not applicable

**GHS label elements**

Void

**3 Composition/information on ingredients****Chemical characterization:****Designation: (CAS#)**3-Trimethylsilyl-1-propylboronic acid pinacol ester  
(CAS# ?): 100%**4 First aid measures****After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Seek immediate medical advice.

**After skin contact**

Instantly wash with water and soap and rinse thoroughly.

**After eye contact**

Seek immediate medical advice.

**After swallowing**

Rinse opened eye for several minutes under running water. Then consult doctor. Seek medical treatment.

**5 Fire fighting measures****Suitable extinguishing agents**CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.**Special hazards caused by the material, its products of combustion or flue gases:**Can be released in case of fire:  
Carbon monoxide and carbon dioxide  
Boron oxide  
Silicon oxide  
Wear self-contained breathing apparatus.  
Wear full protective suit.**Protective equipment:****6 Accidental release measures****Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

**Measures for environmental protection:**

Ensure adequate ventilation

**Measures for cleaning/collecting:**

Do not allow material to be released to the environment without proper governmental permits.

**Additional information:**Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
See Section 7 for information on safe handling  
See section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.**7 Handling and storage****Handling****Information for safe handling:**Keep containers tightly sealed.  
Store in cool, dry place in tightly closed containers.  
No special precautions necessary if used correctly.**Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

**Storage****Requirements to be met by storerooms and containers:**

No special requirements.

**Information about storage in one common storage facility:**

Store away from oxidizing agents.

**Further information about storage conditions:**Keep container tightly sealed.  
Store in cool, dry conditions in well sealed containers.**8 Exposure controls and personal protection****Additional information about design of technical systems:**

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

**Components with critical values that require monitoring at the workplace:**

Not required.

**Additional information:**

No data

**Personal protective equipment****General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food.

**Breathing equipment:**

Instantly remove any soiled and impregnated garments.

**Protection of hands:**

Wash hands during breaks and at the end of the work.

**Material of gloves**

Use breathing protection with high concentrations.

Check protective gloves prior to each use for their proper condition.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Impervious gloves

Not determined

Safety glasses

**Penetration time of glove material****Eye protection:**(Contd. on page 2)  
GB

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 11.08.2010

Revision: 11.08.2010

Trade name **3-Trimethylsilyl-1-propylboronic acid pinacol ester**

Body protection: Protective work clothing.

(Contd. of page 1)

**9 Physical and chemical properties:****General Information**

Form: Liquid  
Colour: Colourless  
Smell: Not determined

Change in condition  
Melting point/Melting range: Not determined  
Boiling point/Boiling range: Not determined  
Sublimation temperature / start: Not determined

Flash point: Not determined

Ignition temperature: Not determined

Decomposition temperature: Not determined

Danger of explosion: Product is not explosive.

Critical values for explosion:  
Lower: Not determined  
Upper: Not determined

Steam pressure: Not determined

Density: Not determined

**10 Stability and reactivity**

Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.  
Materials to be avoided: Oxidizing agents  
Dangerous reactions: No dangerous reactions known  
Dangerous products of decomposition: Carbon monoxide and carbon dioxide  
Boron oxide  
Silicon oxide

**11 Toxicological information**

Acute toxicity:  
Primary irritant effect:  
on the skin: May cause irritation  
on the eye: May cause irritation  
Sensitization: No sensitizing effect known.  
Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.  
EPA-I: Data are inadequate for an assessment of human carcinogenic potential.

**12 Ecological information:**

Additional ecological information:  
General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.  
Do not allow material to be released to the environment without proper governmental permits.

**13 Disposal considerations**

Product:  
Recommendation: Consult state, local or national regulations for proper disposal.  
Hand over to disposers of hazardous waste.  
Must be specially treated under adherence to official regulations.  
  
Uncleaned packagings:  
Recommendation: Disposal must be made according to official regulations.

**14 Transport information**

Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)  
ADR/RID-GGVS/E Class: None

Maritime transport IMDG/GGVSea:  
IMDG/GGVSea Class: None  
Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:  
ICAO/IATA Class: None

Transport/Additional information: Not dangerous according to the above specifications.

**15 Regulatory information**

Designation according to EC guidelines: Observe the normal safety regulations when handling chemicals.  
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

National regulations

Information about limitation of use: For use only by technically qualified individuals.

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

**16 Other information:**

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Department issuing data specification sheet: Health, Safety and Environmental Department.

(Contd. on page 3)  
GB

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 11.08.2010

Revision: 11.08.2010

**Trade name** **3-Trimethylsilyl-1-propylboronic acid pinacol ester**

**Contact:**  
**Abbreviations and acronyms:**

Zachariah Holt

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

(Contd. of page 2)

GB