

1 Identification

Product identifier

Product name: **SANT-1**

Stock number: J65294

CAS Number:

304909-07-7

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

Identified use: SU24 Scientific research and development

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Alfa Aesar

Thermo Fisher Scientific Chemicals, Inc.

30 Bond Street

Ward Hill, MA 01835-8099

Tel: 800-343-0660

Fax: 800-322-4757

Email: tech@alfa.com

www.alfa.com

Information Department: Health, Safety and Environmental Department

Emergency telephone number:

During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0789.

2 Hazard(s) identification

Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)

The substance is not classified according to the Globally Harmonized System (GHS).

Hazards not otherwise classified No information known.

Label elements

GHS label elements Not applicable

Hazard pictograms Not applicable

Signal word Not applicable

Hazard statements Not applicable

WHMIS classification Not controlled

Classification system

HMIS ratings (scale 0-4)

(Hazardous Materials Identification System)

HEALTH 1 Health (acute effects) = 1

FIRE 1 Flammability = 1

REACTIVITY 1 Physical Hazard = 1

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Substances

CAS# Description:

304909-07-7 (4-Benzyl-piperazin-1-yl)-(3,5-dimethyl-1-phenyl-1H-pyrazol-4-ylmethylene)-amine

4 First-aid measures

Description of first aid measures

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm.

Seek immediate medical advice.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

Seek immediate medical advice.

After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing Seek medical treatment.

Information for doctor

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

If this product is involved in a fire, the following can be released:

Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx)

Advice for firefighters

Protective equipment:

Wear self-contained respirator.

Wear fully protective impervious suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

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

Methods and material for containment and cleaning up: Pick up mechanically.

Prevention of secondary hazards: No special measures required.

Reference to other sections

See Section 7 for information on safe handling

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See Section 8 for information on personal protection equipment. See Section 13 for disposal information.																																																			
(Contd. of page 1)																																																			
7 Handling and storage Handling Precautions for safe handling Handle under dry protective gas. Keep container tightly sealed. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: Store in freezer (-20 °C). Information about storage in one common storage facility: Store in the dark. Protect from heat. Store away from water/moisture. Store away from oxidizing agents. Further information about storage conditions: Store under dry inert gas. This product is moisture sensitive. Keep container tightly sealed. Protect from humidity and water. Protect from exposure to light. Specific end use(s) No further relevant information available.																																																			
8 Exposure controls/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. Control parameters Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data Exposure controls Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Penetration time of glove material (in minutes) Not determined Eye protection: Safety glasses Body protection: Protective work clothing.																																																			
9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: <table><tr><td>Form:</td><td>Solid</td></tr><tr><td>Color:</td><td>Pale yellow</td></tr><tr><td>Odor:</td><td>Not determined</td></tr><tr><td>Odor threshold:</td><td>Not determined.</td></tr></table> pH-value: Not applicable. Change in condition <table><tr><td>Melting point/Melting range:</td><td>Not determined</td></tr><tr><td>Boiling point/Boiling range:</td><td>Not determined</td></tr><tr><td>Sublimation temperature / start:</td><td>Not determined</td></tr><tr><td>Flammability (solid, gaseous)</td><td>Not determined.</td></tr><tr><td>Ignition temperature:</td><td>Not determined</td></tr><tr><td>Decomposition temperature:</td><td>Not determined</td></tr><tr><td>Auto igniting:</td><td>Not determined.</td></tr></table> Danger of explosion: Not determined. Explosion limits: <table><tr><td>Lower:</td><td>Not determined</td></tr><tr><td>Upper:</td><td>Not determined</td></tr><tr><td>Vapor pressure:</td><td>Not applicable.</td></tr><tr><td>Density:</td><td>Not determined</td></tr><tr><td>Relative density</td><td>Not determined.</td></tr><tr><td>Vapor density</td><td>Not applicable.</td></tr><tr><td>Evaporation rate</td><td>Not applicable.</td></tr><tr><td>Solubility in / Miscibility with</td><td></td></tr><tr><td>Water:</td><td>Not determined</td></tr><tr><td>Partition coefficient (n-octanol/water):</td><td>Not determined.</td></tr><tr><td>Viscosity:</td><td></td></tr><tr><td>dynamic:</td><td>Not applicable.</td></tr><tr><td>kinematic:</td><td>Not applicable.</td></tr><tr><td>Other information</td><td>No further relevant information available.</td></tr></table>		Form:	Solid	Color:	Pale yellow	Odor:	Not determined	Odor threshold:	Not determined.	Melting point/Melting range:	Not determined	Boiling point/Boiling range:	Not determined	Sublimation temperature / start:	Not determined	Flammability (solid, gaseous)	Not determined.	Ignition temperature:	Not determined	Decomposition temperature:	Not determined	Auto igniting:	Not determined.	Lower:	Not determined	Upper:	Not determined	Vapor pressure:	Not applicable.	Density:	Not determined	Relative density	Not determined.	Vapor density	Not applicable.	Evaporation rate	Not applicable.	Solubility in / Miscibility with		Water:	Not determined	Partition coefficient (n-octanol/water):	Not determined.	Viscosity:		dynamic:	Not applicable.	kinematic:	Not applicable.	Other information	No further relevant information available.
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10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications.																																																			
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Product name: SANT-1

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Information about limitation of use: For use only by technically qualified individuals.
Other regulations, limitations and prohibitive regulations
Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.
The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the market and use must be observed.
Substance is not listed.
Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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 SDS: Global Marketing Department
Date of preparation / last revision 11/24/2015 / -

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
DOT: US Department of Transportation
CAS: Chemical Abstracts Service (division of the American Chemical Society)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
vPvB: very Persistent and very Bioaccumulative
ACGIH: American Conference of Governmental Industrial Hygienists (USA)
OSHA: Occupational Safety and Health Administration (USA)
NTP: National Toxicology Program (USA)
IARC: International Agency for Research on Cancer
EPA: Environmental Protection Agency (USA)

USA