SIGMA-ALDRICH

Material Safety Data Sheet

Version 3.0 Revision Date 04/12/2008 Print Date 03/19/2011

RODUCT AND COMPAN	IY IDENTI	FICATION			
Product name	: (/	R)-3-(Fmoc-amir	no)-5-phenyl-pent	anoic acid	
Product Number	: 92	2282			
Brand		drich			
Company	30 S	igma-Aldrich 050 Spruce Street AINT LOUIS MO 6 SA	3103		
Telephone		18003255832			
Fax		18003255052			
Emergency Phone #	: (3	14) 776-6555			
OMPOSITION/INFORMA	TION ON				
Synonyms	: Fi	moc-5-phenyl-D-β-r	norvaline		
Formula	: C	26H25NO4			
Molecular Weight		15.48 g/mol			
CAS-No.	EC-N	0.	Index-No.	Concentration	
$(D)_2(Emac_{2}min_{0})_{-}$	nhonyl_no	ntanoic acid			
(R)-3-(Fmoc-amino)-5- 269398-87-0	phenyl-pe -	ntanoic acid	-	-	
269398-87-0	-	ntanoic acid	-	-	
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269398-87-0 AZARDS IDENTIFICATIO Emergency Overview OSHA Hazards No known OSHA haz HMIS Classification Health Hazard: Flammability: Physical hazards: NFPA Rating Health Hazard: Fire: Reactivity Hazard: Fire: Reactivity Hazard: Potential Health Effects Inhalation Skin	DN zards 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	harmful if inhaled. harmful if absorbe	. May cause respira		
269398-87-0 AZARDS IDENTIFICATIO Emergency Overview OSHA Hazards No known OSHA haz HMIS Classification Health Hazard: Flammability: Physical hazards: NFPA Rating Health Hazard: Fire: Reactivity Hazard: Potential Health Effects Inhalation	Zards CN Zards 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	harmful if inhaled.	. May cause respira ed through skin. Ma	tory tract irritation.	

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration

In case of skin contact Wash off with soap and plenty of water.

In case of eye contact Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

 Flammable properties
 no data available

 Ignition
 no data available

 temperature
 suitable extinguishing media

 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Avoid dust formation.

Environmental precautions Do not let product enter drains.

Methods for cleaning up Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

Store under inert gas. Keep in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection Safety glasses

Hygiene measures General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	powder
Colour	white

Colour

Safety data

рН	no data available
Melting point	176 - 178 °C (349 - 352 °F)
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	no data available

10. STABILITY AND REACTIVITY

Storage stability Stable under recommended storage conditions.

Materials to avoid Strong oxidizing agents

Hazardous decomposition products Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute toxic	ity
no data ava	lilable
Irritation ar	nd corrosion
no data ava	ailable
Sensitisatio	on
no data ava	ilable
Chronic ex	posure
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP:	No component of this product present at levels greater than or equal to 0.1% is
	identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Potential He	ealth Effects
Inhalatic Skin Eyes Ingestio	May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation.
12. ECOLOGICA	
Elimination	information (persistence and degradability)
no data ava	ilable
Ecotoxicity	effects
no data ava	lilable
Further info	ormation on ecology
no data ava	ilable
13. DISPOSAL C	CONSIDERATIONS
Product Observe all	federal, state, and local environmental regulations.
	ted packaging as unused product.
14. TRANSPOR	T INFORMATION
DOT (US) Not dangero	ous goods
IMDG Not dangero	ous goods
Not dangero IATA Not dangero	
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Not dangero IATA Not dangero 15. REGULATOI OSHA Haza No known (TSCA Statu Not On TSC (R)-3-(I DSL Status	ands RY INFORMATION ards DSHA hazards IS CA Inventory Fmoc-amino)-5-phenyl-pentanoic acid

SARA 302 Components SARA 302: No chemicals in this material are subject to the re	porting requirements of SAF	RA Title III, Section
302. SARA 313 Components SARA 313: This material does not contain any chemical comp the threshold (De Minimis) reporting levels established by SA		mbers that exceed
SARA 311/312 Hazards No SARA Hazards		
Massachusetts Right To Know Components No Components Listed		
Pennsylvania Right To Know Components		Devision Defe
(R)-3-(Fmoc-amino)-5-phenyl-pentanoic acid	CAS-No. 269398-87-0	Revision Date
New Jersey Right To Know Components		
(R)-3-(Fmoc-amino)-5-phenyl-pentanoic acid	CAS-No. 269398-87-0	Revision Date
California Prop. 65 Components This product does not contain any chemicals known to State other reproductive defects.	of California to cause cance	r, birth, or any
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