

APF: sc-202468



The Power to Question

MATERIAL SAFETY DATA SHEET

1. Substance identification

Product Name: APF

Catalog Number: sc-202468

CAS Number: 359010-70-1

Chem Formula: C₂₆H₁₇NO₅

Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800

Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2 Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS08 health hazard



Repr. 1B H360D
GHS07

May damage the unborn child.



Eye Irrit. 2 H319

Causes serious eye irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

T; Toxic



R61
Xn; Harmful

May cause harm to the unborn child.



R20/21
Xi; Irritant

Harmful by inhalation and in contact with skin.



R36

Irritating to eyes.

Information concerning particular hazards for human and environment: Not applicable.

Label elements

Labelling according to Regulation (EC) No 1272/2008: The substance is classified and labelled according to the CLP regulation.

Hazard pictograms
GHS07



GHS08



Signal word
Hazard-determining components of labelling: N,N-dimethylformamide
Hazard statements

H319 Causes serious eye irritation.
H360D May damage the unborn child.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Substances

<i>Formula:</i>	<i>CAS #</i>	<i>EC #</i>	<i>Annex I Index #</i>
APF C ₂₆ H ₁₇ NO ₅	359010-70-1	200-679-5	616-001-00-X

Identification number(s): Not applicable

Additional information: The reagent is dissolved in DMF, which is the component determining the hazardousness of the mixture.

4 First aid measures

Description of first aid measures

General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Remove contaminated clothing.

After eye contact: Rinse opened eye for several minutes under running water. Check for and remove contact lenses. If symptoms persist, consult a doctor.

After ingestion: If symptoms persist consult doctor.

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 Firefighting measures

Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters

Protective equipment: Mouth respiratory protective device. Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. Wear fully protective suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear protective clothing.

Environmental precautions: No special measures required.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and storage

Handling

Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

Information about fire and explosion protection: Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Store tightly sealed in a cool, dry and well ventilated location at 4° C.

Information about storage in one common storage facility: Keep away from heat, sources of ignition and incompatibles such as oxidizing agents.

Further information about storage conditions: Keep container tightly sealed. Store under lock and key and with access restricted to technical experts or their assistants only.

Specific end use(s)

No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes. Avoid contact with the eyes and skin.

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: 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.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles



9 Physical and chemical properties

Form	Liquid	Odor	Amine-like
Molecular Weight	423.4	Organic solvents	99.8 %
Odor threshold	Not determined	pH-value	Not determined
Melting point/Melting range	Undetermined	Boiling point/Boiling range	Undetermined
Flash point	Not applicable	Flammability (solid, gaseous)	Not applicable
Ignition temperature	Undetermined	Decomposition temperature	Not determined
Self-igniting	Not determined	Lower explosion limit	Not determined
Upper explosion limit	Not determined	Vapor pressure	Not determined
Density	Not determined	Relative density	Not determined

Vapor density	Not determined	Evaporation rate	Not determined
Dynamic viscosity	Not determined	Kinematic viscosity	Not determined
Segregation coefficient (n-octanol/water)	Not determined	Solubility in/Miscibility with water	Not miscible or difficult to mix

Other information: No further relevant information available.

Danger of explosion: Product does not present an explosion hazard.

10 Stability and reactivity

Reactivity

Chemical stability: Stable. Avoid strong oxidizing agents.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

Oral LD50 2800 mg/kg (rat)

Dermal LD50 4720 mg/kg (rabbit)

Inhalative LC50/4 h 9400 mg/l (mouse)

Primary irritant effect

on the skin: Not determined

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Repr. 1B

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in environmental systems

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects

No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging: Disposal must be made according to official regulations.

14 Transport information

UN-Number

ADR, IMDG, IATA: 2265

UN proper shipping name

ADR, IMDG, IATA: Void

Transport hazard class(es)

ADR, IMDG, IATA Class: 3

Packing group

ADR, IMDG, IATA: III

Environmental hazards

Marine pollutant: No

Special precautions for user: Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

UN "Model Regulation": -

15 Regulatory information

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

2/19/2012