1-Bromo-1H,1H,2H,2H-perfluorooctane: sc-356248

MATERIAL SAFETY DATA SHEET

The Power to Question

Section 1: Product & Company Identification

Product Name: 1-Bromo-1H,1H,2H,2H-perfluorooctane
Catalog Number: sc-356248
Synonyms: 1H,1H,2H,2H-Perfluorooctyl bromide
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

Section 2: Hazards identification

Classification of the substance or mixture
Classification under CHIP: Xi: R36/37/38
Classification under CLP: STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315
Most important adverse effects: Irritating to eyes, respiratory system and skin.
Label elements
Label elements under CLP
Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Signal words
Warning
Hazard pictograms
GHS07 Exclamation mark

Precautionary statements

P261	Avoid breathing dust.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Label elements under CHIP
Hazard symbols
Irritant

Risk phrases

R36/37/38	Irritating to eyes, respiratory system and skin.

Safety phrases

S36/37/39	Wear suitable protective clothing, gloves and eye / face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Other hazards
PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

Substances
Chemical identity: 1-Bromo-1H,1H,2H,2H-perfluorooctane
CAS Number: 161583-34-2

Section 4: First aid measures

Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Section 5: Fire-fighting measures

Extinguishing media

Carbon dioxide, dry chemical powder, foam. Suitable extinguishing media for the surrounding fire should be used.

Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes. Carbon oxides. Nitrogen oxides (NOx).

Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.
Environmental precautions: Do not discharge into drains or rivers.

Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

Section 7: Handling and storage

Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air. Only use in fume hood.

Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area at room temperature. Keep container tightly closed. Light Sensitive.
Suitable packaging: Must only be kept in original packaging.
Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

Control parameters

Workplace exposure limits: Not applicable.

Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.
Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.
Hand protection: Protective gloves.
Eye protection: Safety glasses. Ensure eye bath is to hand.
Skin protection: Protective clothing.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

State: Powder
Molecular Weight: 427.00
Molecular Formula: C8H4BrF13
Other information: Not applicable.

Section 10: Stability and reactivity

Reactivity

Stable under recommended transport or storage conditions.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions
Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Conditions to avoid
Heat. Light.
Incompatible materials
Strong oxidising agents. Strong acids.
Hazardous decomposition products
In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Nitrogen oxides (NOx).

Section 11: Toxicological information
Information on toxicological effects
Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Based on test data
Serious eye damage/irritation	OPT	Based on test data
STOT-single exposure	INH	Based on test data

Symptoms / routes of exposure
Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Section 12: Ecological information
Toxicity
Ecotoxicity values: Not applicable.
Persistence and degradability
No data available.
Bioaccumulative potential
No data available.
Mobility in soil
No data available.
Results of PBT and vPvB assessment
PBT identification: This substance is not identified as a PBT substance.
Other adverse effects
No data available.

Section 13: Disposal considerations
Waste treatment methods
Disposal operations: Material should be disposed of in accordance with local, state and federal regulations.
Disposal of packaging: Dispose of as special waste in compliance with local and national regulations Observe all federal, state and local environmental regulations.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information
Transport class: This product does not require a classification for transport.

Section 15: Regulatory information
Safety, health and environmental regulations/legislation specific for the substance or mixture
Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.
Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No.

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. 3/7/2012