

12(S),20-DiHETE: sc-200412



The Power to Question

MATERIAL SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

Product Name: 12(S),20-DiHETE
Catalog Number: sc-200412
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



GHS02

Flam. Liq. 2 H225 Highly flammable liquid and vapor.

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



F; Highly flammable

R11: Highly flammable.

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

Label elements

Labeling according to Regulation (EC) No 1272/2008:

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms:



Signal word:

Danger

Hazard-determining components of labeling:

ethanol

Hazard statements:

H225

Highly flammable liquid and vapor.

Precautionary statements

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241

Use explosion-proof electrical/ventilating/lighting/equipment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P403+P235

Store in a well-ventilated place. Keep cool.

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

CAS Number: 64-17-5 (ethanol)
EC Number: 200-578-6 (applies to the solvent ethanol)
Index Number: 603-002-00-5 (applies to the solvent ethanol)
Molecular Formula: C₂₀H₃₂O₄
Molecular Weight: 336.47

Additional Information:

The chemical is dissolved in 99.9% ethanol which is the component determining the hazardousness of the mixture.

4. First aid measures

Description of first aid measures

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Remove contaminated clothing.

After eye contact:

Rinse opened eye for several minutes under running water.

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.

For safety reasons unsuitable extinguishing agents:

Water with full jet.

Special hazards arising from the substance or mixture:

No further relevant information available.

Advice for firefighters

Protective equipment:

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 equipment. Keep unprotected persons away. Wear protective clothing.

Environmental precautions:

Prevent seepage into sewage system, work pits and cellars.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). 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:

No special precautions are necessary if used correctly.

Information about fire - and explosion protection:

Keep ignition sources away- Do not smoke. Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store tightly sealed in a cool, dry and well ventilated location (see label for storage temperature and additional specific information). Store at -80° 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 in cool, dry conditions in well sealed receptacles. 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:

Wash hands before breaks and at the end of work.

Respiratory protection:

Not required.

Protection of hands:

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:	Alcohol-like
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.
Decomposition temperature:	Not determined.	Self-igniting:	Not determined.
Lower/Upper Explosion limits:	Not determined.	Vapor pressure:	Not determined.
Density:	Not determined.	Relative density	Not determined.
Vapor density	Not applicable.	Evaporation rate	Not applicable.
Dynamic Viscosity:	Not applicable.	Kinematic Viscosity:	Not applicable.
Danger of explosion:	Not determined.	Organic Solvents:	99.9%
Segregation coefficient (n-octanol/water):	Not determined.	Solubility/Miscibility with water:	Not miscible/ difficult to mix.

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:

LD/LC50 values relevant for classification:

64-17-5 ethanol

Oral LD50 - 7060 mg/kg (rat)

Inhalative LC50/4 h - 20000 mg/l (rat)

Primary irritant effect:

on the skin: Not determined.

on the eye: Not determined.

Sensitization: No sensitizing effects known.

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:**Recommendation:**

Disposal must be made according to official regulations.

14. Transport information**UN-Number**

ADR, IMDG, IATA: UN1170

ADN: Void

UN proper shipping name

ADR, IMDG: 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

ADN: Void

IATA: 1170 ETHANOL SOLUTION

Transport hazard class(es)

ADR, IMDG, IATA

Class: 3 Flammable liquids.

Packing group

ADR, IMDG, IATA II

Environmental hazards

Marine pollutant: No

Special precautions for user: Warning: Flammable liquids.

Transport in bulk according to
Annex II of MARPOL73/78 and

the IBC Code: Not applicable.

UN "Model Regulation": UN1170, ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

15. Regulatory information**Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

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.

1/09/2014