

Last Revision Date: 12/13/2013

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Catalog Number: S-FC72S
Description: Benz(a)anthracene-13C6 in n-Nonane
Product is: Solution
Other Names: N/A

Supplied by CHEM SERVICE, Inc. PO BOX 599, WEST CHESTER, PA 19381 (610)-692-3026
EMERGENCY PHONE: 1-610-692-3026

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS: N/A
Description: Benz(a)anthracene-13C6 Solution
Concentration: 100ug/ml in n-Nonane
EINECS No: N/A
Hazard Symbols: N/A N/A

SECTION 3 - HAZARDS IDENTIFICATION

Contact lenses should not be worn in the laboratory.
All chemicals should be considered hazardous – Avoid direct physical contact!

For the solvent n-Nonane:

May be harmful by inhalation, ingestion, or skin absorption.
Can cause eye irritation.
Can cause skin irritation.
Can be irritating to mucous membranes.
Target Organ - Central Nervous System.
Narcotic at high concentrations. CA Proposition 65:

For the minor component :

CA Proposition 65: Data Not Available.

SECTION 4 - FIRST AID MEASURES

An antidote is a substance intended to counteract the effect of a poison. It should be administered only by a physician or trained emergency personnel. Medical advice can be obtained from a POISON CONTROL CENTER.

For the solvent n-Nonane:

In case of contact: Flush eyes continuously with water for 15-20 minutes. Flush skin with water for 15-20 minutes.

If no burns have occurred-use soap and water to cleanse skin.
If inhaled remove patient to fresh air. Administer oxygen if patient is having difficulty breathing.
If patient has stopped breathing administer artificial respiration.
If patient is in cardiac arrest administer CPR.
Continue life supporting measures until medical assistance has arrived.

SECTION 5 - FIRE AND EXPLOSION DATA

For the solvent n-Nonane:

Flash Point: 31°C
Extinguishing Media: Carbon dioxide, dry chemical powder or spray.
Upper Explosion Limit: 2.9%

Lower Explosion Limit: 0.8%
Auto Ignition: 205°C
NFPA Hazard Rating: Health: 2 Flammability: 3 Reactivity: 0 Special:
(Scale: 0 = Least, 1 = Slight, 2 = Moderate, 3 = High, 4 = Severe)

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills or leaks: Evacuate area. Wear appropriate OSHA regulated equipment. Ventilate area. Absorb on vermiculite or similar material. Sweep up and place in an appropriate container. Hold for disposal.

Wash contaminated surfaces to remove any residues.
Remove contaminated clothing and wash before reuse.

SECTION 7 - HANDLING AND STORAGE

Handling:

This chemical should be handled only in a hood. Eye shields should be worn. Use appropriate OSHA/MSHA approved safety equipment. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling.

Storage:

Store in a cool dry place. Store only with compatible chemicals. Keep tightly closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

For the solvent n-Nonane:

OSHA PEL (TWA): 200ppm (1050mg/m³)
ACGIH TLV (TWA): 200 ppm(1050 mg/m³)
ACGIH TLV (STEL): N/A

Personal Protective Equipment

Eyes: Wear safety glasses.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to minimize contact with skin.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements must be followed whenever workplace conditions warrant a respirator's use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

For the solvent n-Nonane:

Color: Colorless
Phase: Liquid
Melting Point: -53°C
Boiling Point: 150-151°C
Density: 0.718g/ml
Evaporation Rate (Butyl acetate-1):
Vapor Pressure: 10°C
Vapor Density: 4.41
Odor: Petroleum like
Solubility in water: Insoluble (immiscible)
Molecular Weight: 128.26
Molecular Formula: C₉H₂₀

SECTION 10 - STABILITY AND REACTIVITY

For the solvent n-Nonane:

Flammable.
Incompatible with strong oxidizing agents.
Decomposition liberates toxic fumes.

SECTION 11 - TOXICOLOGY INFORMATION

For the solvent n-Nonane:

RTECS: RA6115000
Oral Rat or Mouse LD50: N/A
Dermal Rat or Mouse LD50: N/A
Rat or Mouse LC50: N/A

Carcinogenicity

OSHA: No IARC: No NTP: No ACGIH: No NIOSH: No Other: No

California Proposition 65 info: Not Listed

For the minor component :

Carcinogenicity

OSHA: Yes IARC: No NTP: Yes ACGIH: No NIOSH: No Other: No

CA Proposition 65: Data Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

Environmental Fate: Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose in accordance with Federal, State and Local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

For the solvent n-Nonane:

UN Number: UN1920
Class: 3
Packing Group: III
Proper Shipping Name: Nonanes

SECTION 15 - REGULATORY INFORMATION

For the solvent n-Nonane:

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases: R10 Flammable.
R20 Harmful by inhalation.
R38 Irritating to the skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R67 Harmful: may cause lung damage if swallowed.

Safety Phrases: S16 Keep away from sources of ignition - No smoking.

S37 Wear suitable gloves.

S61 Avoid release to the environment. Refer to special instructions/Safety data sheet.

For the minor component :

European Labeling in Accordance with EC Directives

Hazard Symbols: N/A

Risk Phrases: N/A
Safety Phrases: N/A

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded MSDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

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