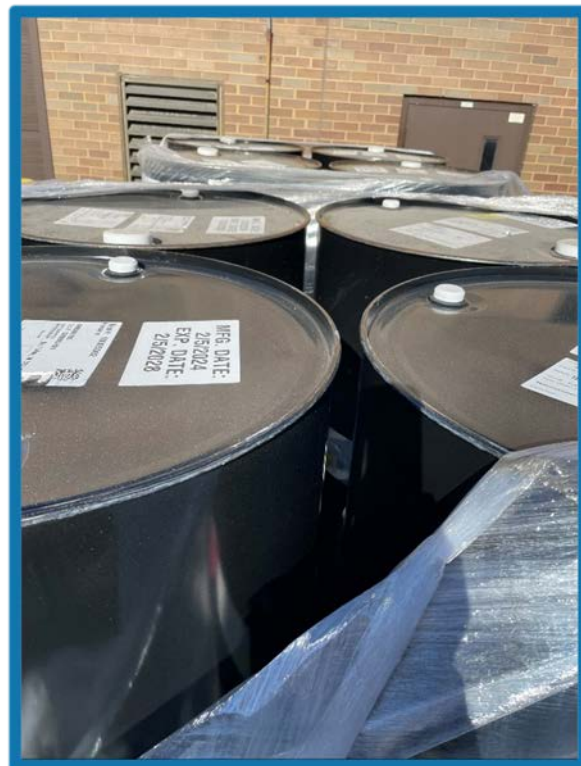


Offer Sheet

Product	Hexane
Quantity	24 drums – 6 pallets
Net weight	42,624 lbs.
Manufacture date	
Availability	One time
Location	North Chicago, IL 60064
Date	1/28/26
COA and SDS	Attached below



Brian Svrusis
Solvent Systems International
575 Bennett Road
Elk Grove Village, IL 60007
847-323-6718 call or text
Click here for: [Surplus Inventory](#)
[Solvent-Systems.com](#)

Hexane (C₆H₁₄) is a **non-polar aliphatic hydrocarbon solvent** (straight-chain paraffin).

Commercial hexane is often a **mixture of hexane isomers** (n-hexane plus methylpentanes) sold as **extraction or industrial hexane**.

Key properties driving its use:

- very strong solvency for **oils, fats, waxes, resins, and hydrocarbons**
 - low boiling point (~69 °C) → **fast evaporation**
 - immiscible with water
-

Major commercial uses for Hexane

1) Edible oil extraction (largest global use)

Hexane is the **primary solvent** for extracting vegetable oils from seeds and grains:

Common feedstocks:

- soybeans
- canola/rapeseed
- corn germ
- sunflower seeds
- cottonseed

Used in:

- cooking oil production
- margarine/shortening raw materials
- food ingredient oils

Why: very high oil solubility + easy recovery by evaporation.

2) Industrial solvent in adhesives and sealants

Used to dissolve:

- rubber
 - contact cement formulations
 - hydrocarbon resins
 - certain polymers
-

3) Cleaning and degreasing solvent

Used in:

- metal parts cleaning
 - electronics degreasing
 - precision equipment cleaning
 - removal of oils, greases, and residues
-

4) Polymer and rubber processing

Used as a solvent in:

- rubber cements
 - elastomer solutions
 - polymer testing and processing
-

5) Chemical reaction solvent and carrier

Used in chemical manufacturing as:

- a **reaction medium** for non-polar chemistry
- a **diluent/carrier solvent**

Common in:

- pharmaceuticals
 - specialty chemicals
 - agrochemical synthesis
-

6) Laboratory and analytical solvent

Used for:

- chromatography (mobile phase component)
- sample extraction
- analytical procedures

Lower volume but high purity grades.

7) Printing inks and coatings (limited but real use)

Used in some:

- specialty inks
- solvent blends for coatings

Mostly where fast evaporation and non-polar solvency are required.

Typical industries buying hexane

- edible oil processors
- food ingredient manufacturers
- adhesive producers
- rubber and tire manufacturers
- metal finishing companies
- chemical manufacturers
- laboratories

Certificate of Analysis

SHIP TO:	ABBVIE, INC.	CUSTOMER PO #:	4300265615 bo
EMAIL:		EMCO ORDER #:	SC0303300
ATTN:	QC LAB	EMCO CUST #:	121009
BILL TO:	ABBVIE, INC.	CODE:	RMS.S.35420
PRODUCT:	Hexane	SHIP DATE:	11/19/2024
EPC #:	10005D02	LOT #:	521115H22
MFR NAME:	CITGO	MFR DATE:	10/28/2024
MFR SITE:	LEMONT, IL	EXP DATE:	10/28/2028

TEST DESCRIPTIONS	SPECIFICATIONS	TEST RESULTS
SPECIFIC GRAVITY @ 25°C	0.689 MAX	0.6771
COLOR (APHA)	10 MAX	PASS
NONVOLATILE RESIDUE (G/100ML)	0.0036 MAX	0.0000
APPEARANCE	CLEAR & FREE	PASS
GC PURITY	> 99.0 %	PASS
CLARITY	NO TURBIDITY OR SUSPENDED MATERIAL	PASS

BY: D. Dilts
CHEMIST
11/18/2024

Attached to: CP-ONEV-963765-10.0-0350

Eric Campbell 21 Nov 2024 Eric Campbell



100873045

QC - TL03

NC - Raw - IQA Review

Material Number: 20032550

HEXANES

Batch: 1002900589

Qty: 0.000 G

Vendor batch: 521115H22

Temp. Conditions: < = 40C (< = 104F)

Eric Campbell
21 Nov 2024

VERIFIED BY
Jocelyn LaBuda

Jocelyn LaBuda 25 Nov 2024

Certificate of Analysis

SHIP TO:	ABBVIE, INC.	CUSTOMER PO #:	4300265615
EMAIL:		EMCO ORDER #:	SC0302275
ATTN:	QC LAB	EMCO CUST #:	121009
BILL TO:	ABBVIE, INC.	CODE:	RMS.S.35420
PRODUCT:	Hexane	SHIP DATE:	11/06/2024
EPC #:	10005D02	LOT #:	521105H37
MFR NAME:	CITGO	MFR DATE:	11/5/2024
MFR SITE:	LEMONT, IL	EXP DATE:	11/5/2028

TEST DESCRIPTIONS	SPECIFICATIONS	TEST RESULTS
SPECIFIC GRAVITY @ 25°C	0.689 MAX	0.6751
COLOR (APHA)	10 MAX	PASS
NONVOLATILE RESIDUE (G/100ML)	0.0036 MAX	0.0000
APPEARANCE	CLEAR & FREE	PASS
GC PURITY	> 99.0 %	PASS
CLARITY	NO TURBIDITY OR SUSPENDED MATERIAL	PASS

BY: O. Palomares
CHEMIST
11/5/2024

Attached to: CP-0mv-963765 - 10.0-0350
Eric Campbell 21 Nov 2024 Eric Campbell



100873150

QC - TL03

NC - Raw - IQA Review

Material Number: 20032550

HEXANES

Batch: 1002900592

Qty: 0.000 G

Vendor batch: 521105H37

Temp. Conditions: < = 40C (< = 104F)

Eric Campbell
21 Nov 2024

VERIFIED BY

Jocelyn LaBuda

Jocelyn LaBuda 25 Nov 2024

Certificate of Analysis

SHIP TO:	ABBVIE, INC	CUSTOMER PO #:	4300255411 BO
EMAIL:		EMCO ORDER #:	SC0303239
ATTN:	QC LAB	EMCO CUST #:	121009
BILL TO:	ABBVIE, INC	CODE:	RMS.S.35420
PRODUCT:	HEXANE	SHIP DATE:	11/18/2024
EPC #:	10005D01	LOT #:	520904H7
MFR NAME:	CITGO	MFR DATE:	8/27/2024
MFR SITE:	LEMONT, IL	EXP DATE:	8/27/2028

TEST DESCRIPTIONS	SPECIFICATIONS	TEST RESULTS
SPECIFIC GRAVITY @ 25°C	0.689 MAX	0.6771
COLOR (APHA)	10 MAX	PASS
NONVOLATILE RESIDUE (G/100ML)	0.0036 MAX	0.0000
APPEARANCE	CLEAR & FREE	PASS
GC PURITY	> 99.0 %	PASS
CLARITY	NO TURBIDITY OR SUSPENDED MATERIAL	PASS

BY: D. Dilts
CHEMIST
11/15/2024

Attached to: CP-OneV-963765-10.0-0351

C. Pacheco 22 Nov 2024

Carlos Pacheco



100873035

QC-TL03

NC-Raw-IQA Review

Material Number: 20032550

HEXANES

Batch: 1002894714

Qty: 0.000 G

Vendor batch: 520904H7

Temp. Conditions: <=40C (<=104F)

C. Pacheco
22 Nov 2024

VERIFIED BY

Jocelyn LaBuda

Jocelyn LaBuda 22 Nov 2024

Certificate of Analysis

SHIP TO:	ABBVIE, INC.	CUSTOMER PO #:	4300205620
EMAIL:		EMCO ORDER #:	SC0268991
ATTN:	QC LAB	EMCO CUST #:	121009
BILL TO:	ABBVIE, INC.	CODE:	RMS.S.35420
PRODUCT:	Hexane	SHIP DATE:	02/06/2024
EPC #:	10005D02	LOT #:	520205H31
MFR NAME:	CITGO	MFR DATE:	2/5/2024
MFR SITE:	Lemont, IL	EXP DATE:	2/5/2028

VERIFIED BY
CP 21 Feb 2024
Carlos Pacheco

TEST DESCRIPTIONS	SPECIFICATIONS	TEST RESULTS
SPECIFIC GRAVITY @ 25°C	0.689 MAX	0.6783
COLOR (APHA)	10 MAX	PASS
NONVOLATILE RESIDUE (G/100ML)	0.0036 MAX	0.0000
APPEARANCE	CLEAR & FREE	PASS
GC PURITY	> 99.0 %	PASS
CLARITY	NO TURBIDITY OR SUSPENDED MATERIAL	PASS

BY: O. Palomares
CHEMIST
2/6/2024

I-Lot: 010002835409

Batch: 1001073525

NC-Raw Materials Lab

Amount:

300 ml

Storage:

tight cont, NMT 40C*

Material:

20032550

Lab Location:

1195_QC-TL63

HEXANES

NC-Raw Materials Lab

GLCA2024002669

Run#:

Misc Raw Material

520205H31



100755610

QC-TL03

Jocelyn LaBuda
16 FEB 2024

Jocelyn LaBuda

NC - Raw - IQA Review

Material Number: 20032550

HEXANES

Batch: 1001073525

Qty: 0.000 G

Vendor batch: 520205H31

Temp. Conditions: < =40C (< =104F)

Attached to: *CP-DneV-963765-10.0-0033*
Jocelyn LaBuda 16 FEB 2024

SAFETY DATA SHEET

Version 8.1
Revision Date 07/11/2024
Print Date 03/01/2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifiers**

Product name : Hexane

Product Number : 52765

Brand : Sigma-Aldrich

Index-No. : 601-037-00-0

CAS-No. : 110-54-3

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

Uses advised against : The product is being supplied under the TSCA R&D Exemption (40 CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless appropriate consent is granted in writing by MilliporeSigma.

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.
3050 SPRUCE ST
ST. LOUIS MO 63103
UNITED STATES

Telephone : +1 314 771-5765

Fax : +1 800 325-5052

1.4 Emergency telephone

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Flammable liquids (Category 2), H225

Skin irritation (Category 2), H315

Reproductive toxicity (Category 2), H361

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Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336
 Specific target organ toxicity - repeated exposure, Inhalation (Category 2), Nervous system, H373
 Aspiration hazard (Category 1), H304
 Short-term (acute) aquatic hazard (Category 2), H401
 Long-term (chronic) aquatic hazard (Category 2), H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard Statements

H225	Highly flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs (Nervous system) through prolonged or repeated exposure if inhaled.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe mist or vapors.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P331	Do NOT induce vomiting.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P391	Collect spillage.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	: n-Hexane
Formula	: C ₆ H ₁₄
Molecular weight	: 86.18 g/mol
CAS-No.	: 110-54-3
EC-No.	: 203-777-6
Index-No.	: 601-037-00-0

Component	Classification	Concentration
n-Hexane		
	Flam. Liq. 2; Skin Irrit. 2; Repr. 2; STOT SE 3; STOT RE 2; Asp. Tox. 1; Aquatic Acute 2; Aquatic Chronic 2; H225, H315, H361, H336, H373, H304, H401, H411 Concentration limits: >= 5 %: STOT RE 2, H373; >= 20 %: STOT SE 3, H336;	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air. Call in physician.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed

After swallowing: caution if victim vomits. Risk of aspiration! Keep airways free. Pulmonary failure possible after aspiration of vomit. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂) Foam Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

Combustible.

Pay attention to flashback.

Vapors are heavier than air and may spread along floors.

Development of hazardous combustion gases or vapours possible in the event of fire.

Forms explosive mixtures with air at ambient temperatures.

5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further information

Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition.

Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains. Risk of explosion.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

Storage class

Storage class (TRGS 510): 3: Flammable liquids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
n-Hexane	110-54-3	TWA	50 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Danger of cutaneous absorption		

		TWA	50 ppm 180 mg/m ³	USA. NIOSH Recommended Exposure Limits
		TWA	500 ppm 1,800 mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		PEL	50 ppm 180 mg/m ³	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		Skin		

Biological occupational exposure limits

Component	CAS-No.	Parameters	Value	Biological specimen	Basis
n-Hexane	110-54-3	2,5-Hexanedione	0.5 mg/l	Urine	ACGIH - Biological Exposure Indices (BEI)
	Remarks	End of shift			

8.2 Exposure controls

Appropriate engineering controls

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Break through time: 480 min

Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 10 min

Material tested: KCL 741 Dermatril® L

Body Protection

Flame retardant antistatic protective clothing.

Respiratory protection

Recommended Filter type: Filter A (acc. to DIN 3181) for vapours of organic compounds

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure

Do not let product enter drains. Risk of explosion.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

a) Appearance	Form: liquid Color: colorless
b) Odor	hydrocarbon-like
c) Odor Threshold	No data available
d) pH	7.0
e) Melting point/freezing point	Melting point/ range: -95 °C (-139 °F)
f) Initial boiling point and boiling range	69 °C 156 °F
g) Flash point	-22 °C (-8 °F) - closed cup - c.c.
h) Evaporation rate	15.8
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	Upper explosion limit: 8.1 %(V) Lower explosion limit: 1.0 %(V)
k) Vapor pressure	175.98 hPa at 20.0 °C (68.0 °F)
l) Vapor density	No data available
m) Density	0.659 g/mL at 25 °C (77 °F)
Relative density	No data available
n) Water solubility	0.01 g/l at 25 °C (77 °F) - slightly soluble
o) Partition coefficient: n-octanol/water	log Pow: ca.4 at 20 °C (68 °F) - (Lit.), Potential bioaccumulation
p) Autoignition	225 °C (437 °F) at 1,013 hPa

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temperature

- | | |
|------------------------------|------------------------------|
| q) Decomposition temperature | No data available |
| r) Viscosity | No data available |
| s) Explosive properties | Not classified as explosive. |
| t) Oxidizing properties | none |

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Vapors may form explosive mixture with air.
Vapors may form explosive mixture with air.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .
The product is chemically stable under standard ambient conditions (room temperature) .

10.3 Possibility of hazardous reactions

Risk of explosion with:
Violent reactions possible with:
Strong oxidizing agents
nitrogen oxides
halogens
rubber
various plastics
Risk of ignition or formation of inflammable gases or vapours with:
Peroxides
(sodium salt)

10.4 Conditions to avoid

Warming.
Warming.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - male and female - 16,000 mg/kg
(OECD Test Guideline 401)

LC50 Inhalation - Rat - 4 h - 172 mg/l - vapor

Remarks: (RTECS)

LD50 Dermal - Rabbit - male - > 2,000 mg/kg
(OECD Test Guideline 402)

Skin corrosion/irritation

Skin - Rabbit

Result: Skin irritation - 24 h
(OECD Test Guideline 404)

Remarks: (Regulation (EC) No 1272/2008, Annex VI)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation - 72 h
(OECD Test Guideline 405)

Respiratory or skin sensitization

Local lymph node assay (LLNA) - Mouse

Result: negative
(OECD Test Guideline 429)

Germ cell mutagenicity

Test Type: Ames test

Test system: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Test system: Mouse lymphoma test

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

Test Type: dominant lethal test

Species: Mouse

Application Route: inhalation (vapor)

Method: OECD Test Guideline 478

Result: negative

Test Type: Chromosome aberration test

Species: Rat

Cell type: Bone marrow

Application Route: Gavage

Method: OECD Test Guideline 475

Result: negative

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Carcinogenicity

- IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- NTP: No ingredient 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 on OSHA's list of regulated carcinogens.

Reproductive toxicity

Suspected of damaging fertility.

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness. - Central nervous system

Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

Specific target organ toxicity - repeated exposure

Inhalation - May cause damage to organs through prolonged or repeated exposure.

- Nervous system

Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

Aspiration hazard

Aspiration may cause pulmonary edema and pneumonitis.

11.2 Additional Information

Repeated dose toxicity - Rat - male and female - Oral - 13 Weeks - NOAEL (No observed adverse effect level) - 40 mg/kg - LOAEL (Lowest observed adverse effect level) - 200 mg/kg

RTECS: MN9275000

Drowsiness, irritant effects, somnolence

narcosis, Nausea, Tiredness, CNS disorders, paralysis symptoms

Risk of corneal clouding.

It generally applies for aliphatic hydrocarbons with 6 - 18 carbon atoms that they may cause pneumonia, in some cases also pulmonary oedema, upon direct inhalation, i.e. in conditions that can occur only in very special circumstances (nebulizations, spraying, inhalation of aerosols and similar). After absorption of very large quantities: narcosis.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 2.5 mg/l - 96 h
Remarks: (ECOTOX Database)

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 2.1 mg/l - 48 h
and other aquatic Remarks: (Lit.)
invertebrates

12.2 Persistence and degradability

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Biodegradability aerobic - Exposure time 28 d
Result: 98 % - Readily biodegradable.
(OECD Test Guideline 301F)
Remarks: (in analogy to similar products)

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14: Transport information

DOT (US)

UN number: 1208 Class: 3 Packing group: II
Proper shipping name: Hexanes
Reportable Quantity (RQ): 5000 lbs
Poison Inhalation Hazard: No

IMDG

UN number: 1208 Class: 3 Packing group: II EMS-No: F-E, S-D
Proper shipping name: HEXANES
Marine pollutant : yes
Marine pollutant : yes

IATA

UN number: 1208 Class: 3 Packing group: II
Proper shipping name: Hexanes

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CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
n-Hexane	110-54-3	5000	5000

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	: Fire Hazard Acute Health Hazard Chronic Health Hazard
-----------------------------	---

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

n-Hexane	110-54-3	>= 90 - <= 100 %
----------	----------	------------------

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

n-Hexane	110-54-3	>= 90 - <= 100 %
----------	----------	------------------

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know

n-Hexane	110-54-3
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Pennsylvania Right To Know

n-Hexane	110-54-3
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Maine Chemicals of High Concern

Product does not contain any listed chemicals

Sigma-Aldrich - 52765

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The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the US and Canada

Millipore
SIGMA

Vermont Chemicals of High Concern

Product does not contain any listed chemicals

Washington Chemicals of High Concern

Product does not contain any listed chemicals

California Prop. 65

WARNING: This product can expose you to chemicals including n-Hexane, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

The ingredients of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16: Other information**Further information**

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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Version: 8.1

Revision Date: 07/11/2024

Print Date: 03/01/2025