

Response

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Cyclohexane (CAS 110-82-7)	TWA	0.1 ppm
	TWA	1050 mg/m3
Cyclopentane (CAS 287-92-3)	TWA	300 ppm
		1720 mg/m3
Hexane (Other Isomers) (CAS Mixture)	Ceiling	600 ppm
		1800 mg/m3
	TWA	510 ppm
		350 mg/m3
Hydrogen sulfide (CAS 7783-06-4)	Ceiling	100 ppm
		15 mg/m3
Methylcyclohexane (CAS 108-87-2)	TWA	10 ppm
		1600 mg/m3
n-Butane (CAS 106-97-8)	TWA	400 ppm
		1900 mg/m3
n-Heptane (CAS 142-82-5)	Ceiling	800 ppm
		1800 mg/m3
	TWA	440 ppm
		350 mg/m3
n-Hexane (CAS 110-54-3)	TWA	85 ppm
		180 mg/m3
Pentane (CAS 109-66-0)	Ceiling	50 ppm
		1800 mg/m3
	TWA	610 ppm
		350 mg/m3
		120 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
	25 µg/g	S-Phenylmerca	71-35673-92	n-Hedioerca

Other

Conditions to avoid	Heat, flames and sparks. Ignition sources. Contact with incompatible materials. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion	May be fatal if swallowed and enters airways.
Inhalation	In high concentration are known to cause headache, fatigue, dizziness and nausea.
Skin contact	Causes skin irritation. Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.
Eye contact	May cause eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics	Irritation of nose and throat. Irritation of eyes and mucous membranes. Skin irritation. Unconsciousness. Corneal damage. Nausea. Cyanosis (blue tissue condition, nail, lips and/or skin). Decrease in motor function. Behavioral changes. Edema. Liver enlargement. Jaundice. Conjunctivitis. Proteinuria. Defatting of the skin. Rash.
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Information on toxicological effects

Acute toxicity

Serious eye damage/eye

Components	Species	Test Results
n-Hexane (CAS 110-54-3)		
Aquatic		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 2.101 - 2.981 mg/l, 96 hours

Transport hazard class(es)

Class 3
Subsidiary risk -
Label(s) 3

Packing group I
Environmental hazards Yes
ERG Code 3H

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number UN1265
UN proper shipping name PENTANES, liquid
Transport hazard class(es)

Class 3
Subsidiary risk -
Label(s) 4

Packing group I
Environmental hazards
Marine pollutant Yes

EmS F-E, S-D

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable. However, this product is a liquid and if transported in bulk covered under MARPOL 73/78, Annex I.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Benzene (CAS 71A3 T 0 0 uttryTf2 -1cs (rUN12Cry regunervChemsystemT*(All BlooT*(the Aspirin)Tj0 -1the S gr0 -1the Eye0 -1the Res

Benzene (CAS 71A3 T 0 0 uttryTf2 -1LISTED

SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
Hydrogen sulfide	7783-06-4	100	500 lbs		

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
n-Hexane	110-54-3	0 - 20
Benzene	71-43-2	0 - 5
Cyclohexane	110-82-7	0 - 5

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

- Benzene (CAS 71-43-2)
- n-Hexane (CAS 110-54-3)

Clean Air Act (CAA) Section 112(r) Accidental Release-Kevidectio(40 CFR 68.130-3)

Hydrogen sulfide (CAS(7783-06-2))Tj0 -1.2133 TD(Bllutane (CAS3-097-8-2))TjT*Pidentane (CAS39-66-0-3)SDWA-1)S ubsteal regulatio

n-Hexane (CAS 110-54-3)

Pentane (CAS 109-66-0)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Benzene (CAS 71-43-2)

International Inventories

Country(s) or region	Inventory
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