

Product Name	N HEXANE
Part Number	RXSOL-19-1315-132

Company Details:

RX MARINE INTERNATIONAL  
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Product name		Cas No	EC No		Weight	Formula	
n-Hexane	110-54-3	203-777-6	86,18 g/mol	C6H14	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. H361f Suspected of damaging fertility. 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					P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 Avoid release to the environment. 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. P331 Do NOT induce vomiting.		
the substance or mixture	No data available	Supplemental Hazard		Statements	No data available		Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher							

General advice	Show this material safety data sheet to the doctor in attendance			If inhaled	After inhalation fresh air.		
Eye Contact	After eye contact: rinse out with plenty of water. Remove contact lenses.			Swallowed	After swallowing caution if victim vomits. Risk of aspiration! Keep airways free. Pulmonary failure possible after aspiration of vomit. Call a physician immediately.		
Contact	In case of skin contact Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately			Skin			
Inhalation	No data available	Ingestion	No data available	Most important	symptoms and effects, both acute and delaye		
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11				Indication of any immediate medical attention and special treatment needed			
No data available							

Flammability	No data available	Suitable extinguishing media	Carbon dioxide (CO2) Foam
Dry powder	Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.	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. Further information Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system. Hazardous combustion products No data available 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.. Protective Equipment No data available Specific Hazards Arising from the Chemical No data available

Personal precautions, protective equipment and emergency procedures Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8. Spillage No data available Personal Protection No data available Enviromental Precaution Do not let product enter drains. Risk of explosion. Methods and materials for containment and cleaning Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts. Reference to other sections For disposal see section 13.

Advice on protection against fire and explosion Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge. Incompatible materials No data available Hygiene measures Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2 Advice on safe handling Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols Conditions for safe storage including any incompatibilities

No data available

Storage conditions Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Recommended storage temperature see product label. Storage class Storage class (TRGS 510) 3 Flammable liquids Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated Advice on general occupational hygiene No data available

Exposure controls Personal protective equipment Engineering Control No data available 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 Body Protection Protective clothing. 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: butyl-rubber Minimum layer thickness: 0,7 mm Break through time: 480 min Material tested:Butoject® (KCL 898) 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: 0,4 mm Break through time: 120 min Material tested:Camatril® (KCL 730 / Aldrich Z677442, Size M) Respiratory protection Recommended Filter typeFilter 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. Other Protection Measure No data available

Physical state Liquid Colour Colorless Odour hydrocarbon-like Odor Threshold No data available pH 7,0 Melting Point 95,35 °C at 1.013 Pa Boiling Point 69 °C at 1.013 hPa Flash Point -22 °C - c.c. Evaporation Rate No data available Flammability (solid, gas) No data available Explosive limits

No data Available	Upper/lower flammability or explosive limits		Upper explosion limit 8,1 %(V) Lower explosion limit 1,0 %(V)		
Autoignition temperature	225 °C at 1.013 hPa		Decomposition temperature	No data available	Vapour pressure
175,98 hPa at 20,0 °C	Viscosity	Dynamic 0,3 mPa.s at 25 °C	Density	0,66 g/cm3 at 25 °C	
No data available	Specific Gravity	No data available	Partition coefficient	Log Pow ca.4 at 20 °C - (Lit.), Potential	
bioaccumulation	Explosive properties	No data available	Solubility	0,01 g/l at 25 °C - slightly soluble	
temperature	No data available	Particle characteristics	No data available		

Reactivity	Vapors may form explosive mixture with air		Chemical stability	The product is chemically stable
under standard ambient conditions (room temperature)	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)	Conditions to avoid	Warming.	Incompatible materials	No data available
Hazardous decomposition products	In the event of fire: see section 5			

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/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) Carcinogenicity No data available 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 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) Additional Information The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. 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 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.

Persistence and degradability Biodegradability aerobic - Exposure time 28 d Result: 98 % - Readily biodegradable. (OECD Test Guideline 301F) (in analogy to similar products) Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 2,5 mg/l - 96 h Remarks: (ECOTOX Database) Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 2,1 mg/l - 48 h Remarks: (Lit.) Toxicity No data available Toxicity to bacteria No data available Toxicity to algae No data available Products Biodegradation No data available Mobility in soil No data available Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Endocrine disrupting properties The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher Other adverse effects No data available

Product	No data available	Contaminated packaging	No data available	Waste treatment Method	No data
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available

UN number	ADR/RID:1208	IMDG:1208					
IATA:1208							
UN proper shipping name	ADR/RID:HEXANES	IMDG:HEXANES	IATA:HEXANES	Transport hazard class(es)			
ADR/RID:3	IMDG:3	IATA:3	Packaging group	ADR/RID:II	IMDG:II	IATA:II	
Environmental hazards	ADR/RID:Yes	IMDG:Yes		IATA:No	Special precautions		
for user	Tunnel restriction code (D/E)		Further information	No data available			

Safety, health and environmental regulations/legislation specific for the substance or mixture This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. Other regulations Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.

Chemical Safety Assessment A Chemical Safety Assessment was not carried out for this substance.

Other Information

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