





## Product name: 1-Octyne

(Contd. of page 1) After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. 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 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. 6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Keep away from ignition sources Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. **Prevention of secondary hazards:** Keep away from ignition sources. **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 Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: Protect against electrostatic charges. Fumes can combine with air to form an explosive mixture. Keep ignition sources away. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: Store in a cool location. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available. 8 Exposure controls/personal protection Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Control parameters Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data Exposure controls Exposure controls Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Do not inhale dust / smoke / mist Do not inhale dust / smoke / mist. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Penetration time of glove material (in minutes) Not determined Eye protection: Safety glasses Body protection: Protective work clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Liquid Color: Colorless Not determined Odor: Odor threshold: Not determined pH-value: Not determined. (Contd. on page 3)

## 1\_0

Page 3/4 Printing date 11/23/2015 Reviewed on 06/07/2013

	Kevi	iewed on 06/07/2013
Product name: 1-Octyne		
		(Contd. of page 2)
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	-80 °C (-112 °F) 123-126 °C (253-259 °F) Not determined	
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	17 °C (63 °F) Not determined. 225 °C (437 °F) Not determined Not determined.	
Danger of explosion: Explosion limits:	Product is not explosive. However, formation of explosive air/vapor mixtures is possible.	
Lower: Upper: Vapor pressure at 25 °C (77 °F): Density at 20 °C (68 °F): Relative density Vapor density Evaporation rate	0.8 Vol % Not determined 18 hPa (14 mm Hg) 0.746 g/cm³ (6.225 lbs/gal) Not determined. Not determined. Not determined.	
Solubility in / Miscibility with Water at 20 °C (68 °F): Partition coefficient (n-octanol/water) Viscosity:	0.024 g/l r): Not determined.	
dynamic: kinematic: Other information	Not determined. Not determined. No further relevant information available.	
Reactivity No information known. Chemical stability Stable under recom Thermal decomposition / conditions Possibility of hazardous reactions Re Conditions to avoid No further relevar Incompatible materials: Oxidizing age Hazardous decomposition products:	<b>t to be avoided:</b> Decomposition will not occur if used and stored according to specifications. Reacts with strong oxidizing agents nt information available. ents	
Carcinogenicity: No classification data Reproductive toxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: May be fatal if swa Subacute to chronic toxicity: No effect	classification: No data se irritation nown. y of Toxic Effects of Chemical Substances (RTECS) contains mutation data for this substance. a on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. wn. y - repeated exposure: No effects known. y - single exposure: No effects known. allowed and enters airways.	
12 Ecological information Toxicity Aquatic toxicity: No further relevant in Persistence and degradability No further Bioaccumulative potential No further Mobility in soil No further relevant info Additional ecological information: General notes: Do not allow material to be released to Do not allow undiluted product or large Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relev	rther relevant information available. relevant information available. ormation available. the environment without proper governmental permits. e quantities to reach ground water, water course or sewage system. <b>nt</b>	
13 Disposal considerations Waste treatment methods Recommendation Consult state, local Uncleaned packagings: Recommendation: Disposal must be n	l or national regulations to ensure proper disposal. made according to official regulations.	
14 Transport information		
UN-Number DOT, IMDG, IATA	UN3295	
UN proper shipping name DOT IMDG, IATA	Hydrocarbons, liquid, n.o.s. HYDROCARBONS, LIQUID, N.O.S.	(Control on page A
		(Contol on norro

(Contd. on page 4)

roduct name: 1-Octyne	
	(Contd. of page
Transport hazard class(es)	
DOT	
-	
Class Label	3 Flammable liquids. 3
Class	3 (F1) Flammable liquids
Label IMDG, IATA	3
<b>*</b>	
Class	3 Flammable liquids.
Label	3
Packing group DOT, IMDG, IATA	П
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Flammable liquids
Transport in bulk according to Annex II of MARPOL	8 · · ·
Transport/Additional information:	
DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	UN3295, Hydrocarbons, liquid, n.o.s., special provision 640D, 3, II
H304 May be fatal if swallowed and enters airways. Precautionary statements P210 Keep away from heat/sparks/open f P243 Take precautionary measures again P301+P330+P331 IF SWALLOWED: rinse mouth. Do I P315 Get immediate medical advice/atten National regulations All components of this product are listed in the U.S. En	nst static discharge. NOT induce vomiting.
SARA Section 313 (specific toxic chemical listings) California Proposition 65 Prop 65 - Chemicals known to cause cancer Substa Prop 65 - Developmental toxicity Substance is not lis Prop 65 - Developmental toxicity, female Substance Prop 65 - Developmental toxicity. male Substance is	ance is not listed. sted. i s not listed. s not listed.
SARA Section 313 (specific toxic chemical listings) California Proposition 65 Prop 65 - Chemicals known to cause cancer Substa Prop 65 - Developmental toxicity Substance is not lis Prop 65 - Developmental toxicity, female Substance is Information about limitation of use: For use only by Other regulations, limitations and prohibitive regula	) Substance is not listed. sted. is not listed. is not listed. technically qualified individuals. ations of to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. for and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the for and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the for and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the for and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the formation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the formation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the formation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the formation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the formation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the formation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the formation (EC) No 1907/2006 (REACH) for the manufacturing, place (REACH) for the manufacturing (REACH) for the REACH (REACH) for the manufacturing (REACH) for the REACH) for the manufacturing (REACH) for for the manufacturing (REACH) for the manufacturing (REA
SARA Section 313 (specific toxic chemical listings) California Proposition 65 Prop 65 - Chemicals known to cause cancer Substa Prop 65 - Developmental toxicity Substance is not lis Prop 65 - Developmental toxicity, female Substance Prop 65 - Developmental toxicity, male Substance is Information about limitation of use: For use only by i Other regulations, limitations and prohibitive regula Substance of Very High Concern (SVHC) according The conditions of restrictions according to Article 6 market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Au Chemical safety assessment: A Chemical Safety Ass 6 Other information Employers should use this information only as a supple information to ensure proper use and protect the health conformance with this Material Safety Data Sheet, or in	Substance is not listed. Stepsilon of the product of process, is the responsibility of the user.
SARA Section 313 (specific toxic chemical listings) California Proposition 65 Prop 65 - Chemicals known to cause cancer Substa Prop 65 - Developmental toxicity Substance is not lis Prop 65 - Developmental toxicity, female Substance Prop 65 - Developmental toxicity, male Substance is Information about limitation of use: For use only by i Other regulations, limitations and prohibitive regula Substance of Very High Concern (SVHC) according The conditions of restrictions according to Article 6 market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Au Chemical safety assessment: A Chemical Safety Ass 16 Other information Employers should use this information only as a supple information to ensure proper use and protect the health conformance with this Material Safety Data Sheet, or in Department issuing SDS: Global Marketing Department	Substance is not listed. Stepse is
SARA Section 313 (specific toxic chemical listings) California Proposition 65 Prop 65 - Chemicals known to cause cancer Substa Prop 65 - Developmental toxicity Substance is not lis Prop 65 - Developmental toxicity, female Substance Prop 65 - Developmental toxicity, male Substance is Information about limitation of use: For use only by i Other regulations, limitations and prohibitive regula Substance of Very High Concern (SVHC) according The conditions of restrictions according to Article 6 market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Au Chemical safety assessment: A Chemical Safety Ass 16 Other information Employers should use this information only as a supple information to ensure proper use and protect the health conformance with this Material Safety Data Sheet, or in Department issuing SDS: Global Marketing Department	Substance is not listed. Substance is not listed. Sted. Sted. Stort listed.
SARA Section 313 (specific toxic chemical listings) California Proposition 65 Prop 65 - Chemicals known to cause cancer Substa Prop 65 - Developmental toxicity Substance is not lis Prop 65 - Developmental toxicity, female Substance Prop 65 - Developmental toxicity, male Substance is Information about limitation of use: For use only by i Other regulations, limitations and prohibitive regula Substance of Very High Concern (SVHC) according The conditions of restrictions according to Article 6 market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Au Chemical safety assessment: A Chemical Safety Ass 16 Other information Employers should use this information only as a supple information to ensure proper use and protect the health conformance with this Material Safety Data Sheet, or in Department issuing SDS: Global Marketing Department	Substance is not listed. Substance is not listed. Sted. Sted. Stort listed.
SARA Section 313 (specific toxic chemical listings) California Proposition 65 Prop 65 - Chemicals known to cause cancer Substa Prop 65 - Developmental toxicity Substance is not lis Prop 65 - Developmental toxicity, female Substance Prop 65 - Developmental toxicity, male Substance is Information about limitation of use: For use only by i Other regulations, limitations and prohibitive regula Substance of Very High Concern (SVHC) according The conditions of restrictions according to Article 6 market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Au Chemical safety assessment: A Chemical Safety Ass 16 Other information Employers should use this information only as a supple information to ensure proper use and protect the health conformance with this Material Safety Data Sheet, or in Department issuing SDS: Global Marketing Department	Substance is not listed. Substance is not listed. Sted. Sted. Stort listed.
SARA Section 313 (specific toxic chemical listings) California Proposition 65 Prop 65 - Chemicals known to cause cancer Substa Prop 65 - Developmental toxicity Substance is not lis Prop 65 - Developmental toxicity, female Substance Prop 65 - Developmental toxicity, male Substance is Information about limitation of use: For use only by i Other regulations, limitations and prohibitive regula Substance of Very High Concern (SVHC) according The conditions of restrictions according to Article 6 market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Au Chemical safety assessment: A Chemical Safety Ass 16 Other information Employers should use this information only as a supple information to ensure proper use and protect the health conformance with this Material Safety Data Sheet, or in Department issuing SDS: Global Marketing Department	Substance is not listed. Stepse is
SARA Section 313 (specific toxic chemical listings) California Proposition 65 Prop 65 - Chemicals known to cause cancer Substa Prop 65 - Developmental toxicity Substance is not lis Prop 65 - Developmental toxicity, female Substance Prop 65 - Developmental toxicity, male Substance is Information about limitation of use: For use only by i Other regulations, limitations and prohibitive regula Substance of Very High Concern (SVHC) according The conditions of restrictions according to Article 6 market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Au Chemical safety assessment: A Chemical Safety Ass 16 Other information Employers should use this information only as a supple information to ensure proper use and protect the health conformance with this Material Safety Data Sheet, or in Department issuing SDS: Global Marketing Department	Substance is not listed. Stepse is
SARA Section 313 (specific toxic chemical listings) California Proposition 65 Prop 65 - Chemicals known to cause cancer Substa Prop 65 - Developmental toxicity Substance is not lis Prop 65 - Developmental toxicity, female Substance Prop 65 - Developmental toxicity, male Substance is Information about limitation of use: For use only by i Other regulations, limitations and prohibitive regula Substance of Very High Concern (SVHC) according The conditions of restrictions according to Article 6 market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Au Chemical safety assessment: A Chemical Safety Ass 16 Other information Employers should use this information only as a supple information to ensure proper use and protect the health conformance with this Material Safety Data Sheet, or in Department issuing SDS: Global Marketing Department	Substance is not listed. Stepsilon of the product of process, is the responsibility of the user.