

SAFETY DATA SHEET

Revision Date 12-Mar-2018

Revision Number 1

1. Identification n-Pentylbenzene

	•
Cat No. :	A15734
CAS-No Synonyms	538-68-1 1-Phenylpentane
Recommended Use Uses advised against	Laboratory chemicals. Not for food, drug, pesticide or biocidal product use
Details of the supplier of the safety	data sheet

Company

Product Name

Alfa Aesar Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757 **Email:** tech@alfa.com www.alfa.com

Emergency Telephone Number

During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0789.

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids

Category 4

Label Elements

Signal Word Warning

Hazard Statements Combustible liquid

Precautionary Statements Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking Wear protective gloves/protective clothing/eye protection/face protection

Fire In case of fire: Use CO2, dry chemical, or foam for extinction Storage Store in a well-ventilated place. Keep cool **Disposal** Dispose of contents/container to an approved waste disposal plant <u>Hazards not otherwise classified (HNOC)</u> None identified

3. Composition/Information on Ingredients

Component			AS-No	Weight %			
Benzene, pentyl-		5	38-68-1	98			
	4.	First-aid m	neasures				
Eye Contact	Rinse immed	liately with plenty	of water, also under	the eyelids, for at least 15 minutes.			
Skin Contact	Wash off imr	nediately with ple	enty of water for at least	st 15 minutes.			
nhalation	Move to fresl	h air.					
ngestion	Do not induc	e vomiting.					
Most important symptoms and effects Notes to Physician	Breathing dif nausea and Treat sympto	vomiting	ms of overexposure n	nay be headache, dizziness, tiredness,			
		<u> </u>	measures				
Suitable Extinguishing Media	Cool closed	containers expos	ed to fire with water s	pray.			
Jnsuitable Extinguishing Media	No information	on available					
Flash Point	65 °C / 14	9 °F					
Method -	No information	on available					
Autoignition Temperature No information available Explosion Limits No data available Upper No data available Lower No data available Sensitivity to Mechanical Impact No information available Sensitivity to Static Discharge No information available Specific Hazards Arising from the Chemical No information available Combustible material. Containers may explode when heated. Hazardous Combustion Products None known Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full							
protective gear.							
NFPA Health 0	Flammab 2	ility	Instability 0	Physical hazards N/A			
	6. Accio	lental rele	ase measures	6			

Personal Precautions

Remove all sources of ignition. Take precautionary measures against static discharges.

Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment and Clea Up	n Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Remove all sources of ignition.
	7. Handling and storage
Handling	Keep away from open flames, hot surfaces and sources of ignition.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition.
8. E	xposure controls / personal protection
Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limitsestablished by the region specific regulatory bodies.
Engineering Measures	None under normal use conditions. Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	No protective equipment is needed under normal use conditions.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

	9. Physical and chemic
Physical State	Liquid
Appearance	Colorle
Odor	No info
Odor Threshold	No info
рН	No info
Melting Point/Range	-75 °C
Boiling Point/Range	205 °C
Flash Point	65 °C
Evaporation Rate	No info
Flammability (solid,gas)	Not app
Flammability or explosive limits	
Upper	No data
Lower	No data
Vapor Pressure	No info
Vapor Density	No info
Specific Gravity	0.860
Solubility	No info
Partition coefficient; n-octanol/w	vater No data
Autoignition Temperature	No info
Decomposition Temperature	No info
Viscosity	No info
Molecular Formula	C11 H1
Molecular Weight	148.25

Colorless No information available No information available No information available -75 °C / -103 °F 205 °C / 401 °F 65 °C / 149 °F No information available Not applicable

No data available No data available No information available 0.860 No information available No data available No information available No information available No information available C11 H16 148 25

	10. Stab	ility and rea	activity			
Reactive Hazard	None known, based on information available					
Stability	Stable under norm	al conditions.				
Conditions to Avoid	Keep away from o	pen flames, hot su	rfaces and sources	s of ignition.		
Incompatible Materials	Strong oxidizing ag	gents				
Hazardous Decomposition Product	s None under norma	I use conditions				
Hazardous Polymerization	Hazardous polyme	erization does not o	occur.			
Hazardous Reactions	None under norma	I processing.				
	11. Toxico	ological info	ormation			
Acute Toxicity						
Product Information Component Information Toxicologically Synergistic Products Delayed and immediate effects as y	No information available vell as chronic effects from short and long-term exposure					
Irritation	No information available					
Sensitization	No information available					
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.					
Component CAS-No	IARC	NTP	ACGIH	OSHA	Mexico	
Benzene, pentyl- 538-68-1 Mutagenic Effects	Not listed No information ava	Not listed	Not listed	Not listed	Not listed	
Reproductive Effects	No information ava					
Developmental Effects	No information available.					
Teratogenicity	No information available.					
STOT - single exposure STOT - repeated exposure	None known None known					
Aspiration hazard	No information available					
Symptoms / effects, both acute and Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vor delayed					ea and vomiting	
Endocrine Disruptor Information	No information ava	ailable				
Other Adverse Effects	The toxicological p	properties have not	been fully investig	jated.		
	12. Ecolo	ogical infor	mation			

Ecotoxicity Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea

Benzene, pentyl-	Not listed	LC50: 1.59 - 1.83 mg/L, 96h flow-through (Pimephales promelas)	Not listed	Not listed			
Persistence and Degradab	ility Insoluble in	Insoluble in water May persist based on information available.					
Bioaccumulation/ Accumu	Ilation No informati	No information available.					
Mobility	Is not likely	s not likely mobile in the environment due its low water solubility.					
	13. D	isposal considera	ations				
Waste Disposal Methods	hazardous v	aste generators must detern vaste. Chemical waste gen ardous waste regulations to	erators must also consult	local, regional, and			
	11 -	Transport inform	ation				

	14. Transport information
DOT	Not regulated
DOT TDG IATA	Not regulated
<u>IATA</u>	Not regulated
IMDG/IMO	Not regulated
	15. Regulatory information

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Benzene, pentyl-	Х	-	Х	208-701-5	-		Х	Х	Х	Х	-

Legend: X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated

polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b)	Not applicable
SARA 313	Not applicable
SARA 311/312 Hazard Categories	See section 2 for more information
CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA Occupational Safety and Health Not applicable	Administration
CERCLA	Not applicable
California Proposition 65	This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know

Regulations								
	Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island		
	Benzene, pentyl-	-	Х	Х	-	-		

U.S. Department of Transportation

Reportable Quantity (RQ):	Ν
DOT Marine Pollutant	Ν
DOT Severe Marine Pollutant	Ν

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade

No information available

	16. Other information
Prepared By	Health, Safety and Environmental Department Email: tech@alfa.com www.alfa.com
Revision Date Print Date Revision Summary	12-Mar-2018 12-Mar-2018 SDS authoring systems update, replaces ChemGes SDS No. 538-68-1/2.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS