

Safety Data Sheet 2H26105 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/16/2017 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: Methylhexahydrophthalic anhydride
CAS No	: 25550-51-0
Product code	: 2H26-1-05
Formula	: C18H24O6
Other means of identification	: MFCD27918498
1.2. Relevant identified uses of the sub	ostance or mixture and uses advised against
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the safety	/ data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097	
info@synquestlabs.com - www.synquestlabs.co	<u>mc</u>
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	n
2.1. Classification of the substance or	mixture
Classification (GHS-US)	
Skin Sens. 1AH317 - May cause an allergSTOT SE 3H335 - May cause respiratoAquatic Acute 3H402 - Harmful to aquatic liFull text of H-phrases: see section 16	bry irritation
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	CHS05 CHS07 CHS08
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	 H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 - May cause respiratory irritation H402 - Harmful to aquatic life
Precautionary statements (GHS-US)	 P261 - Avoid breathing fumes, mist, spray, vapors P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area

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	P321 - Spe P332+P31 P333+P31 P342+P31 P362+P36 P363 - Wa P403+P23 P405 - Sto	nediately call a POISON Cl acific treatment (see supple 3 - If skin irritation occurs: 4 - If skin irritation or rash of 1 - If experiencing respirato 4 - Take off contaminated of sh contaminated clothing b 3 - Store in a well-ventilate re locked up pose of contents/container	emental first aid instruct Get medical advice/att occurs: Get medical ad ory symptoms: Call a p clothing and wash it be before reuse d place. Keep contain	ctions on this label) tention dvice/attention poison center/doctor/ efore reuse er tightly closed
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)			
Not applicable				
SECTION 3: Composition/informa	tion on ingred	dients		
3.1. Substance	-			
Substance type	: Mono-cons	stituent		
Name	Pro	oduct identifier	%	Classification (GHS-US)
Methylhexahydrophthalic anhydride (Main constituent)	(CA)	S No) 25550-51-0	<= 100	Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1A, H334 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 3, H402
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general	where pos	sible). Move the affected pe	ersonnel away from th	
First-aid measures after inhalation	respiration	. Get immediate medical ac	dvice/attention.	hing. If not breathing, give artificial
First-aid measures after skin contact	medical ac	: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get immediate medical advice/attention.		
First-aid measures after eye contact	present an	d easy to do. Continue rins	sing. Get immediate m	
First-aid measures after ingestion		with water. Get immediate		an unconscious person. Rinse on.
4.2. Most important symptoms and e				
Symptoms/injuries	2.2) and/or	: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.		
Symptoms/injuries after inhalation		destructive to tissue of the of breath, headache, nause		s and upper respiratory tract. Cough,
4.3. Indication of any immediate med	ical attention and	d special treatment neede	ed	
Treat symptomatically.				
SECTION 5: Firefighting measures	\$			
5.1. Extinguishing media				
Suitable extinguishing media		sistant foam. Carbon dioxid e for surrounding fire.	le. Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the	substance or mi	xture		
Fire hazard	: Thermal de	ecomposition generates: C	arbon oxides.	
Explosion hazard	: Risk of exp containers		finement. Use water s	pray or fog for cooling exposed
5.3. Advice for firefighters				
Firefighting instructions	: In case of	fire: Evacuate area. Fight fi	ire remotely due to the	e risk of explosion.

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Protection during firefighting	: Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".	
SECTION 6: Accidental release meas	ures	
6.1. Personal precautions, protective equ	ipment and emergency procedures	
General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.	
6.1.1. For non-emergency personnel		
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.	
6.1.2. For emergency responders		
Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.	
6.2. Environmental precautions		
Avoid release to the environment. Notify authoritie	es if product enters sewers or public waters.	
6.3. Methods and material for containment	nt and cleaning up	
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.	
Methods for cleaning up	: Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.	
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".	
6.4. Reference to other sections		
No additional information available		
SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes.	
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, including	g any incompatibilities	
Technical measures	: Comply with applicable regulations.	
Storage conditions	: Keep container closed when not in use. Moisture sensitive. Keep contents under inert gas.	
Incompatible materials	: Refer to Section 10 on Incompatible Materials.	
Storage area	: Store in dry, cool, well-ventilated area.	
SECTION 8: Exposure controls/perso	nal protection	
8.1. Control parameters		
No additional information available		
8.2. Exposure controls		
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.	
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.	
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.	
Skin and body protection	: Wear suitable protective clothing.	
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.	
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.	
SECTION 9: Physical and chemical p	roperties	
9.1. Information on basic physical and ch	emical properties	
Physical state	: Liquid	

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Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 336.38 g/mol
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. **Other information**

No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
No additional information available
10.2. Chemical stability
The product is stable at normal handling and storage conditions.
10.3. Possibility of hazardous reactions
No additional information available
10.4. Conditions to avoid
Keep away from heat, sparks and flame.
10.5. Incompatible materials
Strong acids. Strong bases. Strong oxidizing agents.
10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case fire, see Section 5.
SECTION 11: Toxicological information
11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

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Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough,

shortness of breath, headache, nausea.

SECT	ION 12: Ecological information		
12.1.	Toxicity		
No add	itional information available		
12.2.	Persistence and degradability		
No addi	itional information available		
12.3.	Bioaccumulative potential		
No addi	itional information available		
12.4.	Mobility in soil		
No addi	itional information available		
12.5.	Other adverse effects		

No additional information available

SECTION 13: Disposal consideration	ns
13.1. Waste treatment methods	
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Recycle the material as far as possible.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Methylhexahydrophthalic anhydride (25550-51-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Methylhexahydrophthalic anhydride (25550-51-0)

Listed on the Canadian DSL (Domestic Sustances List)

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EU-Regulations

No additional information available

National regulations

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Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on Turkish inventory of chemical

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Full text of H-phrases:

Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Resp. Sens. 1A	Respiratory sensitisation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1A	Skin sensitization Category 1A
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H402	Harmful to aquatic life
PA health hazard PA fire hazard PA reactivity	 : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. : 0 - Materials that will not burn. : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
/IS III Rating	

* - Chronic (long-term) health effects may result from repeated overexposure : 0 Minimal Hazard - Materials that will not burn

Flammability Physical

> : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.