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ECTION 1: Identification				
1.1. Identification				
Product form	: Substance			
Substance name	: 4-Methyl biphenyl			
CAS-No.	: 644-08-6			
Product code	: (US) W1813			
Formula	: C13H12			
Synonyms	: Biphenyl, 4-methyl- / 1,1'-B Methylbiphenyl / Methyl bi		thyl-1,1'-bir	henyl / 4-Phenyltoluene / 4-
1.2. Recommended use and rea	strictions on use			
No additional information available				
1.3. Supplier				
Synerzine 5340 Hwy 42 S Ellenwood, Georgia 30294 - USA T 404-524-6744 - F 404-577-1651				
info@synerzine.com - www.synerzine.com	1			
1.4. Emergency telephone nun	nber			
Emergency number	: Infotrac 1-800-535-5053 (C	Contract# 102471) Dial +1	-352-323-35	500 when outside the US
SECTION 2: Hazard(s) identif	ication			
2.1. Classification of the subst	tance or mixture			
GHS-US classification				
Not classified				
	iding precautionary statements			
GHS-US labeling				
No labeling applicable				
2.3. Other hazards which do n	ot result in classification			
No additional information available				
2.4. Unknown acute toxicity ((GHS US)			
Not applicable				
SECTION 3: Composition/Info	ormation on ingradiants			
	ormation on ingredients			
3.1. Substances				1
Name		Product identifier	%	GHS-US classification
4-Methyl biphenyl (Main constituent)		(CAS-No.) 644-08-6	98 - 100	Not classified
Full text of hazard classes and H-statemen	ts : see section 16		1	I
3.2. Mixtures				
Not applicable				
SECTION 4: First-aid measure	oc			
4.1. Description of first aid mo				
	: Remove person to fresh air	-	breathing.	
		ator		
First-aid measures after inhalation First-aid measures after skin contact	: Wash skin with plenty of wa			
	 Wash skin with plenty of was Rinse eyes with water as a p Call a poison center/doctor 	precaution.		

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4.3. Immediate medical attention and	special treatment, if necessary
Treat symptomatically.	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extingui	shing media
Suitable extinguishing media :	Water spray. Dry powder. Foam.
5.2. Specific hazards arising from the c	
Reactivity :	The product is non-reactive under normal conditions of use, storage and transport.
5.3. Special protective equipment and	
Protection during firefighting :	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release meas	ures
6.1. Personal precautions, protective e	quipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures :	Ventilate spillage area.
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".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for contain	ment and cleaning up
Methods for cleaning up :	Mechanically recover the product.
Other information :	Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling :	Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures :	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includ	ling any incompatibilities
Storage conditions :	Store in a well-ventilated place. Keep cool.
SECTION 8: Exposure controls/perso	onal protection
8.1. Control parameters	
No additional information available	
8.2. Appropriate engineering controls	
Appropriate engineering controls :	Ensure good ventilation of the work station.
Environmental exposure controls :	Avoid release to the environment.
8.3. Individual protection measures/Pe	ersonal protective equipment
Hand protection:	
Protective gloves	
Eye protection:	
Safety glasses	
Skin and body protection:	
sin and body prototion.	

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Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemica	al properties
9.1. Information on basic physical	and chemical properties
Physical state	: Solid
Appearance	: White crystalline powder.
Color	: white
Odor	: Floral, spicy, wintergreen, estragole waxy
Odor threshold	: No data available
pH	: No data available
Melting point	: 44 - 47 °C
Freezing point	: Not applicable
Boiling point	: 267 - 268 °C
Flash point	: 235 °F TCC
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: Not applicable
Specific gravity / density	: 1.015 g/cm^3
Molecular mass	: 168.24 g/mol
Solubility	: insoluble in water. Soluble in organic solvents.
Log Pow	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosion limits	: Not applicable
Explosive properties	: No data available
Oxidizing properties	: No data available
9.2. Other information	

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information 11.1. Information on toxicological effects	
4-Methyl biphenyl (644-08-6)	
LD50 oral rat	2570 mg/kg
ATE US (oral)	2570 mg/kg body weight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological informatio	n
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
12.2. Persistence and degradability	

onal information available
Bioaccumulative potential
ional information available
Mobility in soil
onal information available

No additional information available

SECTION 13: Disposal considerations		
13.1. Disposal methods		
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
SECTION 14: Transport informatio	n	
Department of Transportation (DOT) In accordance with DOT		
Other information	: No supplementary information available.	
Transportation of Dangerous Goods		
Transport by sea		

Air transport

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SECTION 15: Regulatory information

15.1. US Federal regulations

4-Methyl biphenyl (644-08-6)

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

15.2. International regulations

CANADA

4-Methyl biphenyl (644-08-6)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

4-Methyl biphenyl (644-08-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

4-Methyl biphenyl (644-08-6) Listed on the AICS (Australian Inventory of Chemical Substances) 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 Japanese ISHL (Industrial Safety and Health Law) Listed on NZIOC (New Zealand Inventory of Chemicals) Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

No additional information available

SECTION 16: Other information	
NFPA health hazard	: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
NFPA fire hazard	: 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.
Hazard Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
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.
Personal protection	: B
	B - Safety glasses, Gloves

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product