According to OHSA 29 CFR 1910.1200



SECI	TION 1: Identification	n of the substance/mixture and of th	e company/undertaking		
1.1	Product identifier	chemit	chemie		
	CAS number:	07007 40 0 Fine C	Hofman Fine Crait		
	Product name:	97067-18-0	eman		
	Floduct hame.	4-Methyl-4-trifluoromethyl-1,1-biphenyl	H0.		
	Catalog number:	HFC5416			
	Brand:	Hoffman Fine Chemicals	A The second sec		
	HC as	X C NS	20 15		
1.2	Relevant identified uses of the substance or mixture and uses advised against				
	Identified uses:	For laboratory research purposes. Not f nor animal use.	or drug, household		
1.3	Details of the suppli	er of the safety data sheet			
	Company: Address:	Hoffman Fine Chemicals Pty Ltd			
	cals	4 46-50 Buchanan Road, Brooklyn, Victoria, 3012, Australia 61 3 7003 5401			
	Chemin	Chemit	Chemit		
	Telephone:	61 3 7003 5401	Fine		
	Fax:	Afman	Aman		
1.4	Emergency telephone number				
	Emergency	800-424-9300 CHEMTREC USA 1-703-527-3887 CHEMTREC			
	telephone number:	International 24 Hours/day; 7 Days/wee	k (N)		
	F Chemicals	E Chemicals	F Chemicals		
	etnan Fine	etran Fine	4than Fine		
SECI	ION 2: Hazards ider	ntification	Hom		
2.1	Classification of the substance or mixture				
	GHS Classification in accordance with 29 CFR 1910(OSHA HCS)				
	Acute toxicity, oralCategory 4, H302				

Skin corrosion/irritationCategory 2, H315

Serious eye damage/eye irritationCategory 2, H319

Specific target organ toxicity, single exposure; Respiratory tract irritationCategory 3, H335

For the Full text of H-Statement mentioned in this Section: see SECTION 16.

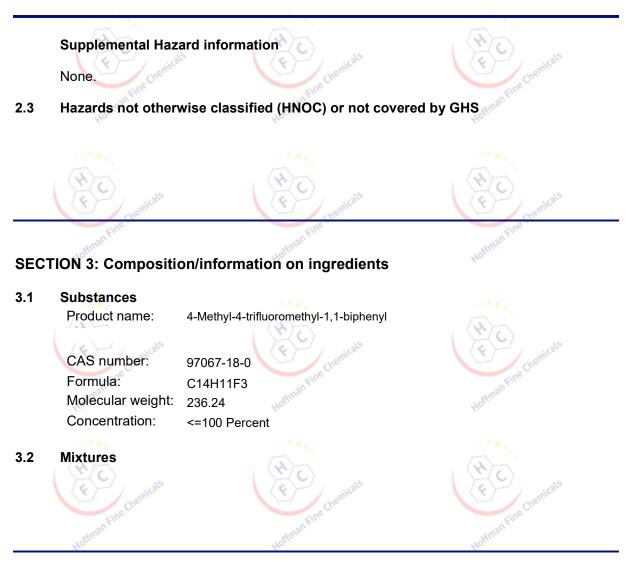
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2.2	GHS Label elen	nents, including precautionary statement	(H)C)			
	(4)	micals (F) micals	F			
	Hazard pictogra	ams	FineChe			
		ams Hoffman Fine Che	F.C. tremitals			
		Hu	Ho			
			a			
	S.C.	s Ster	r c as			
	Signal word	(F) chemica	chemica			
	Warning	Hoffman Fine Che	Hoffman Fine themicals			
	Hoffman	Hoffman	Hoffman			
	Hazard stateme	Hazard statements				
	H302	Harmful if swallowed				
	H315	Causes skin irritation				
	H319	Causes serious eye irritation	Mr C			
	H335	May cause respiratory irritation	F			
	Hoffman Fine Che	Hoffman Fine Che	Hoffman Fine Che			
	Hoffman	uoffmall	Hoffman			
	<u>,</u>	<i>Z</i> ,	ζ.			
	Precautionary s	statements	()			
	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.	C cals			
	P264 chemic	Wash hands thoroughly after handling. Wash skin thou	roughly after handling			
	P270 ^{can Fine}	the function of the second sec	anan Findan ig			
	Hor	Do not eat, drink or smoke when using this product.	Hoffin			
	P271	Use only outdoors or in a well-ventilated area.				
	P280	Wear protective gloves/protective clothing/eye protection	on/face protection			
	P301 P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel u		hysician IF you feel unwell			
	P302 P352	IF ON SKIN: wash with plenty of soap and water.) C (als			
	P304 P340	IF INHALED: Remove victim to fresh air and Keep at re	act in a position comfortable for			
	anFill	breathing.	anfri			
	P305 P351 P338	IF IN EYES: Rinse cautiously with water for several min present and easy to do. Continue rinsing.	nutes. Remove contact lenses, if			
	P330	Rinse mouth.				
	P332 P313	IF SKIN irritation occurs: Get medical advice/attention				
	P337 P313	IF eye irritation persists: Get medical advice/attention.	(H)C)			
	P362	Take off contaminated clothing and wash before reuse.	(F) amicals			
	P403 P233	Store in a well-ventilated place. Keep container tightly of				
	P405	Store locked up.	etmant			
	P501	Dispose of contents/container in accordance with local	/regional/national/international			

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Consult a physician. Show this material safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

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In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

If swallowed

Provided the patient is conscious, wash out mouth with water. Vomiting should only be induced under the direction of a physician or a poison control centre.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see Section 2.2) and/or in Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

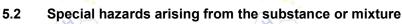
Suitable extinguishing media

alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable extinguishing media



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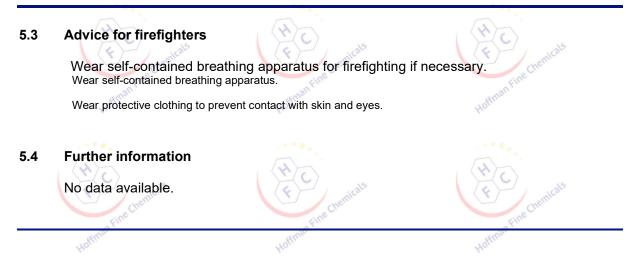
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In combustion toxic fumes may form.



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SECTION 6: Accidental release measures

6.1 **Personal precautions, protective equipment and emergency procedures** Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2 Environmental protections

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or river. Alert the neighbourhood to the presence of fumes or gas.

6.3 Methods and material for containment and cleaning up

Mix with sand or vermiculite. Sweep up and shovel. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- a) Handle in accordance with good industrial hygiene and safety practice
- b) Take measures to prevent the build-up of electrostatic charge.

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- c) Provide appropriate exhaust ventilation at places where dust is formed.
- d) Avoid inhalation of vapor or mist.
- e) Not to eat, drink, smoke in work areas.
- f) To wash hands after use.
- g) To remove contaminated clothing and protective equipment before entering eating areas.

For precautions see Section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated area

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Keep container tightly closed in a dry and well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

Apart from the uses mentioned in Section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

- a) Handle in accordance with good industrial hygiene and safety practice.
- b) Wash hands before breaks and at the end of workday.
- c) Suitable eye/body wash equipment should be available in the vicinity of any potential exposure.
- d) Ensure adequate ventilation, especially in confined areas.

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e) Use explosion-proof electrical appliances, ventilation, lighting and other equipment.
f) Set up emergency evacuation routes and necessary evacuation zones.

Personal protective equipment

Eye/face protection

Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, Flame retardant protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Odor: Odor threshold: pH: No data available No data available No data available No data available

Melting point/freezing point: No data available Initial boiling point/boiling range: No data available



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Flash point: Evaporation rate: Flammability (solid, gas): Upper explosive limits: Lower explosive limits: Vapor pressure: Vapor density: Relative density: Water solubility: Partition coefficient: noctanol/water Auto-ignition temperature: Decomposition temperature: Viscosity: Explosive properties: Oxidizing properties:

No data available No data available

9.2 Other information No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity No data available

10.2 Chemical stability Stable under recommended storage conditions.

- 10.3 Possibility of hazardous reactions
- 10.4 Conditions to avoid No data available

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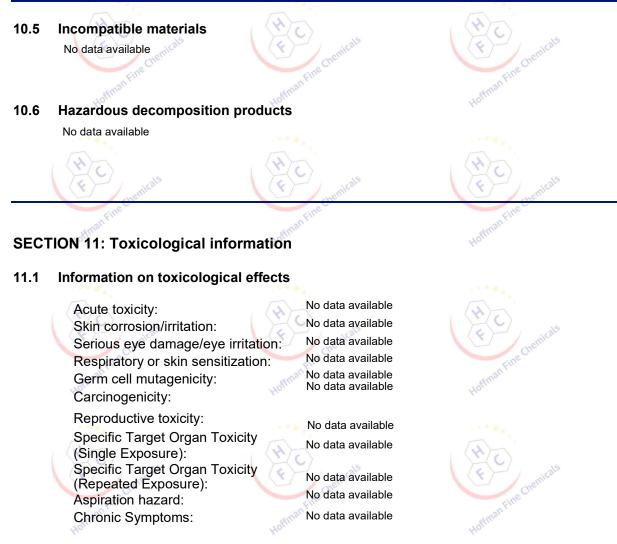






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11.2 Additional information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

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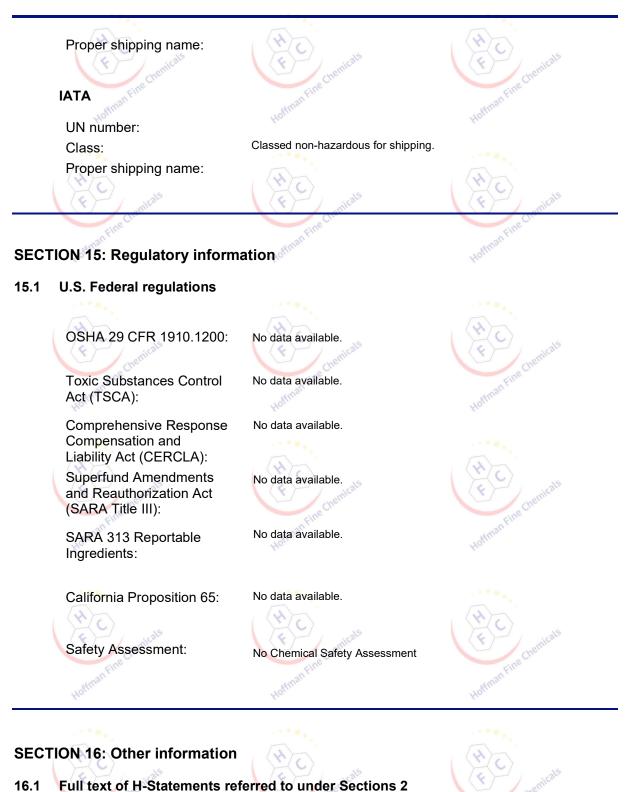
UN number: Class: EMS-No:

Classed non-hazardous for shipping.

H302

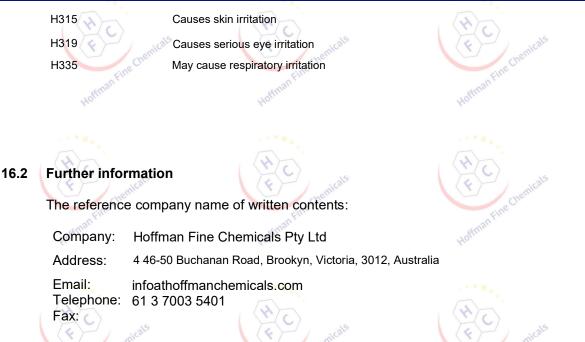
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The conditions or methods of handling, storage, contact, use or disposal of the product are beyond our control and may be beyond our knowledge. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of having unknown hazards and toxicity, which differ greatly depending on the conditions and/or duration of handling, storage, contact, use and/or disposal. The products must be handled only by those who are familiar with specialized knowledge and have experience and/or under the guidance of those specialists throughout handling, storage, contact, use and disposal. Safe usage conditions shall be set up on each user's own responsibility. New information or amendments may be made to this SDS.

For the abovementioned reasons and others, the Company listed in Section 16.2 of this SDS and its affiliates do not assume responsibility and expressly disclaim any liability for loss, damage and/or expense arising out of or in any way connected with the handling, storage, contact, use and/or disposal of this product.

FineCh

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