According to OHSA 29 CFR 1910.1200



SEC	TION 1: Identification	n of the substance/mixture and o	f the company/undertaking		
1.1	Product identifier	F	F		
1.1	CAS number:	1734-00-5	FineLi		
	Product name:	3-Hydroxy-2-naphthoyl chloride	Hoffman Fine Che		
			Hr.		
	Catalog number:	HFC2404			
	Brand:	Hoffman Fine Chemicals	(H)C)		
4.0	Delevent delitical	E AL AND	icais		
1.2	Relevant identified uses of the substance or mixture and uses advised against				
	Identified uses:	For laboratory research purposes. I nor animal use.	Not for drug, household		
1.3	Details of the supplier of the safety data sheet				
	Company:	Hoffman Fine Chemicals Pty Ltd			
	Address:	4 46-50 Buchanan Road, Brooklyn, Vie	ctoria. 3012. Australia		
	micals	(F) omicals	F		
	Telephone:	03 9315 3435	eine Che.		
	Fax:	of of the ender	Hofman Fine Chemicals		
1.4	Emergency telephone number				
	Emergency telephone number:	800-424-9300 CHEMTREC USA 1- International 24 Hours/day; 7 Days/			
	C c c cals	international 24 Hours/day, 7 Days/	week is constant		
	Chemit	chemic	chemit		
	eman Fine	sman File	sman Fine		
SEC	TION 2: Hazards ider	Home	Hoffi		
JEU		lincation			
2.1	Classification of the substance or mixture				
	GHS Classification in accordance with 29 CFR 1910(OSHA HCS)				
	Corrosive to metals Category 1 H290				
	Corrosive to metals Category 1 H290 Skin corrosion/irritation Category 1A, 1B, 1C H314				
	sinan composion/initiation of		ftnan f.		
	Hor	40.	Hor		
	(H)	(H)	(H)		
	F	E vitals	F		
	Hoffman Fine Cremicals	F Chemicals	F. C. Hoffman Fine Chemicals		
	sman Fills	sman Fill	sman Fill		
	Hom	Hom	Hom		

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

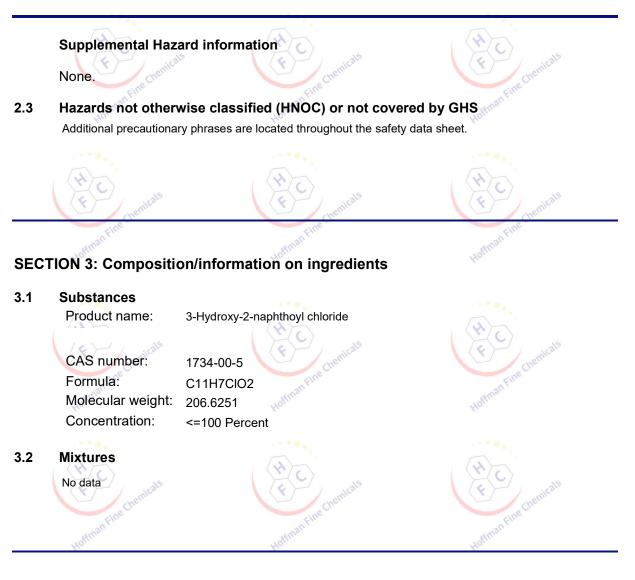
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2.2	GHS Label elen	nents, including precautionary statement	( C)		
	Hazard pictogra	amicals chemicals	Hofman Fine Chamicals		
	Fine	ams Hoffman Fine chemin	finan Fine		
		40.	40.		
		1.000			
	(H) C	(H)C)	(H)C)		
	Signal word	s (F) henicals	(F) - chemicals		
	Danger	Hoffman Fine Chu	Hoffman Fine Che		
	Hazard stateme	Hoffic	Hoffmin		
	H290 H314	May be corrosive to metals Causes severe skin burns and eye damage			
		Gauses severe skin burns and eye damage	(H)		
	F	5 F micals	Hoffman Fine Chemicals		
	tine cherr	the chelt	inechen		
	Hoffman fine Chemica	Hoffman Fine chemicals	stmants		
	Ho	40.	Ho		
	Precautionary s	statements	(H)		
	P234	Keep only in original container	F		
	P260 Fine Cite	Do not breathe dust/fume/gas/mist/vapours/spray.	Fine Che		
	P264	Wash hands thoroughly after handling.	Hoffman Fine		
	P280	Wear protective gloves/protective clothing/eye protect			
	P301 P330 P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomit	ing.		
	P303 P361 P353	IF ON SKIN or hair: Remove/Take off immediately all water/shower.	contaminated clothing. Rinse skin with		
	P304 P340 P310		ortable for breathing. Immediately call a		
	P305 P351 P338	If in eyes: Rinse cautiously with water for several minu	ites. Remove contact lenses, if present		
	P310	and easy to do. Continue rinsing. Immediately call a poison center or doctor.	offmant		
	P363	Wash contaminated clothing before reuse.	**		
	P390	Absorb spillage to prevent material damage.			
	P405 C	Store locked up	(H) C)		
	P406	Store in corrosive resistant/ container with a resistan	t inner liner.		
	P501 Clean	Dispose of contents/container to in accordance with lo	t inner liner. cal regulation		
	Hoffman	Hoffma	Hoffman		

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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

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

## Unsuitable extinguishing media

No data

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In combustion toxic fumes may form.





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# 5.3 Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary. Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. 5.4 Further information No data available.

#### **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.

(F) micals (F) micals (F)

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

Do not attempt to take action without suitable protective clothing.

#### 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, transfer to suitable container and arrange disposal by approved disposal specialists.

#### 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.

According to OHSA 29 CFR 1910.1200



- 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

Hoffman Fine

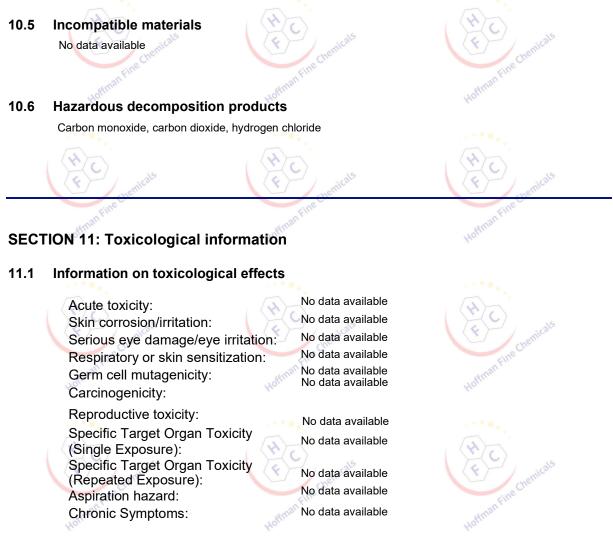






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#### 11.2 Additional information

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

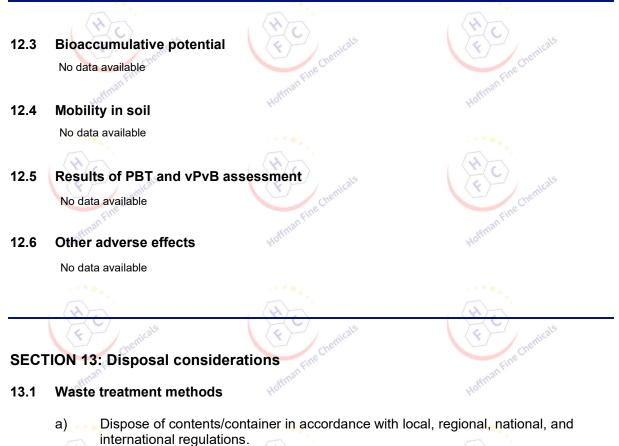
#### 12.2 Persistence and degradability

No data available

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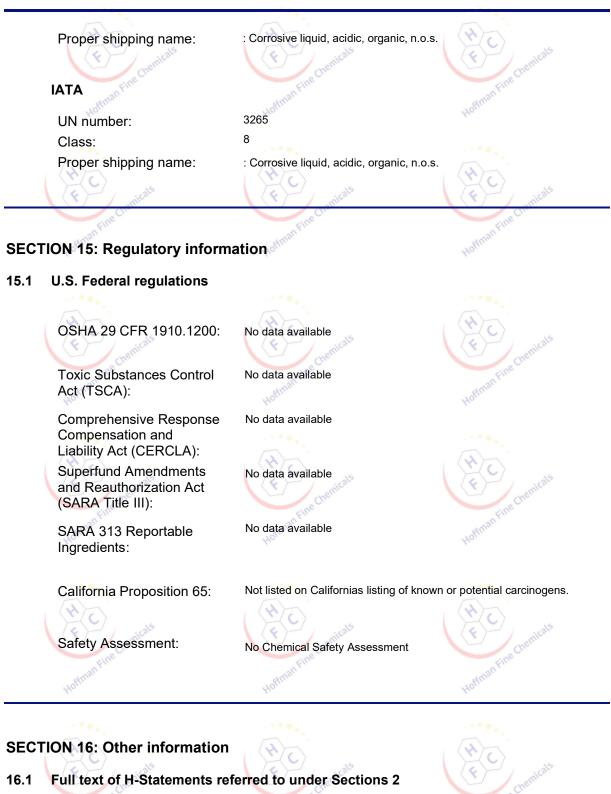
- b) Avoid release to the environment.
- c) Contaminated packaging dispose of as unused product.

#### **SECTION 14: Transport information**



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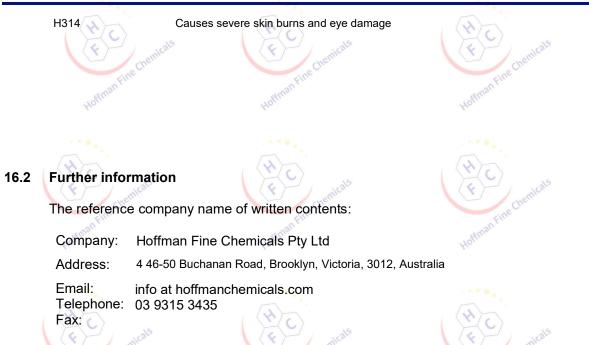


May be corrosive to metals



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The above information is provided without any warranty, express or implied, regarding its correctness and does not purport to be all inclusive and shall be used only as a guide. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. This Safety Data Sheet ('SDS') was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable

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.

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