According to OHSA 29 CFR 1910.1200



SECT	FION 1: Identification	of the substance/mixture and of the company/undertaking
	(F) micals	(F) micals (F) micals
1.1	Product identifier	e cher
	CAS number:	68654-52-4
	Product name:	68654-52-4 2- Piperidin-1-yl pyridine
	Catalog number:	HFC6084
	Brand:	Hoffman Fine Chemicals
	E icals	1
1.2	Relevant identified u	ses of the substance or mixture and uses advised against
	Fine	Fine
	Identified uses:	For laboratory research purposes. Not for drug, household nor animal use.
1.3	Details of the supplie	er of the safety data sheet
	Company: Address:	Hoffman Fine Chemicals Pty Ltd
		4 46-50 Buchanan Road, Brooklyn, Victoria, 3012, Australia
	micals	61 3 7003 5401 me creminals
	Talanhar	
	Telephone:	61 3 7003 5401
	Fax:	Hoffin
1.4	Emergency telephon	e number
	Emergency	800-424-9300 CHEMTREC USA 1-703-527-3887 CHEMTREC
	telephone number:	International 24 Hours/day; 7 Days/week
	F	(F) chemicals
	offman Fine	stiman Find
SECT	ION 2. Hozarda idan	tification de la companya de

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910(OSHA HCS)

Acute toxicity, oral Category 4, H302

Skin corrosion/irritation Category 2, H315

Serious eye damage/eye irritation Category 1, H318

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



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

FINE

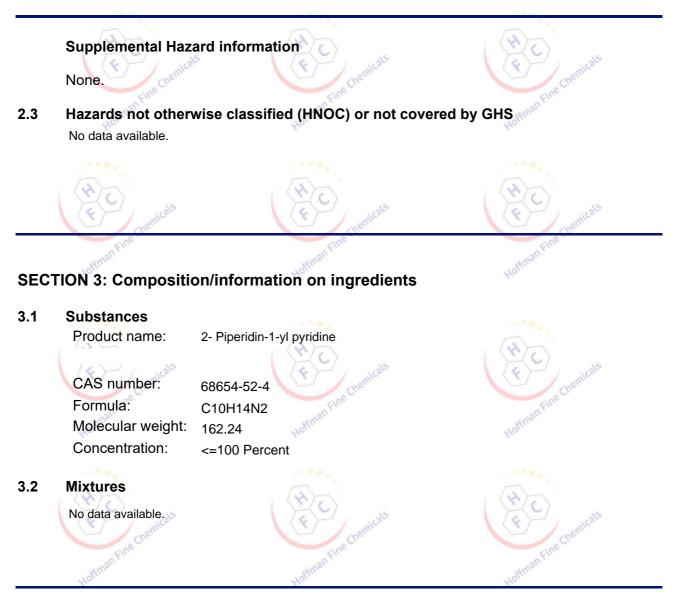
According to OHSA 29 CFR 1910.1200



GHS Label elements, including precautionary statement		
Hazard pict	ourains	F
	ograms	Hoffman Fine chemicals
		Hoffman
(A)	(A)	(H)
Signal word	ements	F.C. Hoffman Fine Chemicals
Danger	ine cherr	time cherr
Amanti	finanti	Afman th
Hazard stat	ements	Ho
H302	Harmful if swallowed	
H315	Causes skin irritation	
H318	Causes serious eye damage	(1) (1)
H335	May cause respiratory irritation	F
FineCh	the City	tine Ch
	. Y	· Ki
Precautiona		FC chemicals
Precautiona P261	ary statements Avoid breathing dust/fume/gas/mist/vapours/spray.	
Precautiona P261	ary statements Avoid breathing dust/fume/gas/mist/vapours/spray.	
Precautiona P261	ary statements Avoid breathing dust/fume/gas/mist/vapours/spray.	
Precautiona	ary statements Avoid breathing dust/fume/gas/mist/vapours/spray.	Hofmanthe FC Hofmanfine Chemicals
Precautiona P261 P264 P270	ary statements Avoid breathing dust/fume/gas/mist/vapours/spray. Wash skin thouroughly after handling. Do not eat, drink or smoke when using this product.	Hoffman Fine chemicals
Precautiona P261 P264 P270 P271	ary statements Avoid breathing dust/fume/gas/mist/vapours/spray. Wash skin thouroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.	Hoffman Fine chemicals
Precautiona P261 P264 P270 P271 P280	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash skin thouroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protective IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at	ction/face protection.
Precautiona P261 P264 P270 P271 P280 P302 P352	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash skin thouroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protect IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at breathing.	ction/face protection.
Precautiona P261 P264 P270 P271 P280 P302 P352 P304 P340 P305 P351 P	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash skin thouroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protect IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at breathing. 338 IF IN EYES: Rinse cautiously with water for several r present and easy to do. Continue rinsing.	ction/face protection. rest in a position comfortable for minutes. Remove contact lense
Precautiona P261 P264 P270 P271 P280 P302 P352 P304 P340	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash skin thouroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protect IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at breathing. 338 IF IN EYES: Rinse cautiously with water for several r	ction/face protection. rest in a position comfortable for minutes. Remove contact lense
Precautiona P261 P264 P270 P271 P280 P302 P352 P304 P340 P305 P351 P P310	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash skin thouroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protect IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at breathing. 338 IF IN EYES: Rinse cautiously with water for several r present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/phys	ction/face protection. rest in a position comfortable for minutes. Remove contact lense ician.
Precautiona P261 P264 P270 P271 P280 P302 P352 P304 P340 P305 P351 P P310 P330 P332 P313	 Avoid breathing dust/fume/gas/mist/vapours/spray. Wash skin thouroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protective gloves/protective clothing/eye protective IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at breathing. IF IN EYES: Rinse cautiously with water for several represent and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physe Rinse mouth. If skin irritation occurs: Get medical advice/attention. 	ction/face protection. rest in a position comfortable for ninutes. Remove contact lense ician.
Precautiona P261 P264 P270 P271 P280 P302 P352 P304 P340 P305 P351 P P310 P330	 Avoid breathing dust/fume/gas/mist/vapours/spray. Wash skin thouroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protective gloves/protective clothing/eye protective IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at breathing. IF IN EYES: Rinse cautiously with water for several represent and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physe Rinse mouth. If skin irritation occurs: Get medical advice/attention. 	ction/face protection. rest in a position comfortable for ninutes. Remove contact lense ician.
Precautiona P261 P264 P270 P271 P280 P302 P352 P304 P340 P305 P351 P P310 P330 P332 P313 P362	 Avoid breathing dust/fume/gas/mist/vapours/spray. Wash skin thouroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protective gloves/protective clothing/eye protective IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at breathing. IF IN EYES: Rinse cautiously with water for several r present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/phys Rinse mouth. If skin irritation occurs: Get medical advice/attention. 	ction/face protection. rest in a position comfortable for ninutes. Remove contact lense ician.

According to OHSA 29 CFR 1910.1200





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

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

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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

Sand, carbon dioxide, dry chemical powder, or appropriate foam.

Unsuitable extinguishing media

No data available.



5.2 Special hazards arising from the substance or mixture

May emit toxic fumes under fire conditions including Carbon monoxide, Carbon dioxide, Nitrogen oxides. Danger of containers bursting upon heating.

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5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary. Wear a self-contained breathing apparatus in pressure-demand and full protective gear. Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: remove movable containers if safe to do so.

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin andeyes.

5.4 Further information

No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

6.2 Environmental protections

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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.

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 and upright. Avoid overheating. Store in a dry and well-ventilated place at RT

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 No data available.

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.

e)

f)

According to OHSA 29 CFR 1910.1200



Use explosion-proof electrical appliances, ventilation, lighting and other equipment. 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.

Yellow oil

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



According to OHSA 29 CFR 1910.1200



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:

- 9.2 Other information No data available.
- No data available. No data available.

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Hoffman

No data available.



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SECTION 10: Stability and reactivity

- 10.1 Reactivity No data available.
- **10.2 Chemical stability** No data available.

10.3 Possibility of hazardous reactions No data available.

10.4 Conditions to avoid No data available.

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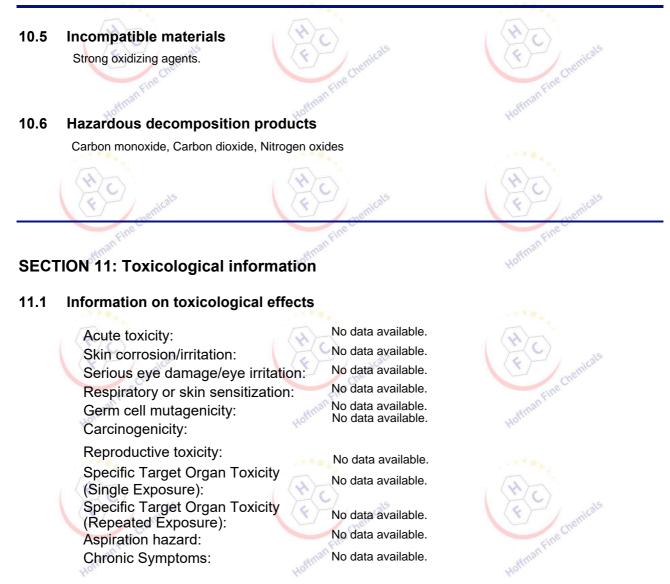






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11.2 Additional information

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

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SECTION 12: Ecological information

12.1 Toxicity

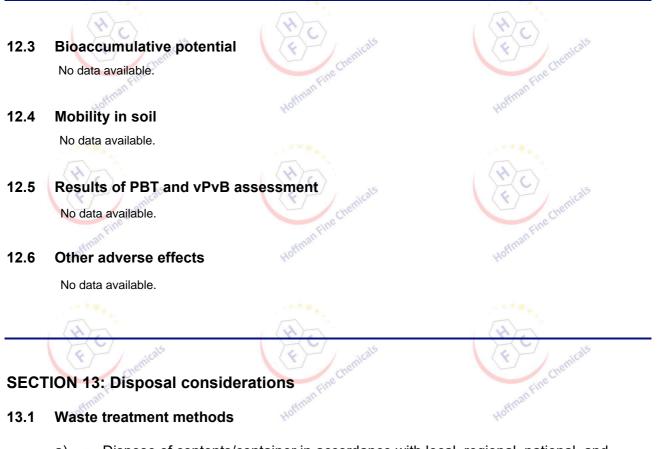
No data available.

12.2 Persistence and degradability

No data available.

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- Dispose of contents/container in accordance with local, regional, national, and a) international regulations.
- Avoid release to the environment. b)
- Contaminated packaging dispose of as unused product. c) <

SECTION 14: Transport information

EMS-No:

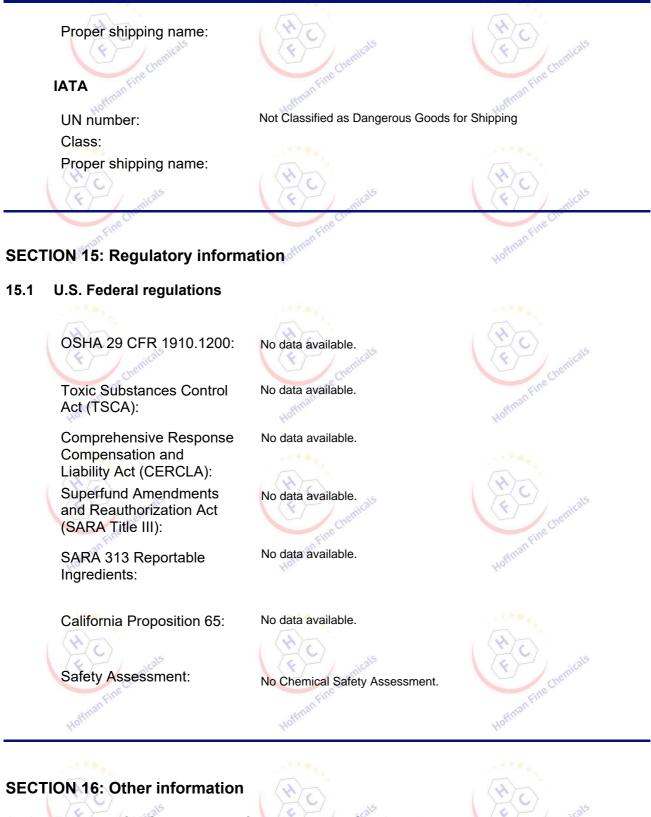
DOT (US) UN number: 🔊 Class: Packing group: Proper shipping name: Reportable quantity (RQ): Poison inhalation hazard: IMDG UN number: Not Classified as Dangerous Goods for Shipping Class:

Not Classified as Dangerous Goods for Shipping

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Full text of H-Statements referred to under Sections 2 16.1

H302

Harmful if swallowed



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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.

Hoffman Fire Che

Version: 1 Revision Date: 1/18/2023 Print Date: 1/18/2023 Fine Che