According to OHSA 29 CFR 1910.1200



SECT	ION 1: Identification	of the substance/mixture and of the company/undertak	ing
	(F) micals	(F) micals (F) micals	
1.1	Product identifier	e their	
	CAS number:	56247-82-6	
	Product name:	56247-82-6 Ethyl2-amino-2-methylbutanoate	
	Catalog number:	HFC5895	
	Brand:	Hoffman Fine Chemicals	
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	r of the safety data sheet	
	Company:	Hoffman Fine Chemicals Pty Ltd	
	Address:		
	- anicals	E menicals	
	Telephone:	61 3 7003 5401	
	Fax:	4 46-50 Buchanan Road, Brooklyn, Victoria, 3012, Australia 61 3 7003 5401	
1.4	Emergency telephon	e number	
	Emergency telephone number:	800-424-9300 CHEMTREC USA 1-703-527-3887 CHEMTREC International 24 Hours/day; 7 Days/week	
	F Chemicals	F chemicals	
	ernan Fine	stren Fine strengthe	
SECT	ION 2: Hazards iden	tification Hor	
2.1	Classification of the	substance or mixture	
	GHS Classification in	accordance with 29 CFR 1910(OSHA HCS)	

Flammable liquidsCategory 3, H226

Skin corrosion/irritationCategory 2, H315

Serious eye damage/eye irritationCategory 1, H318

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

FINE

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

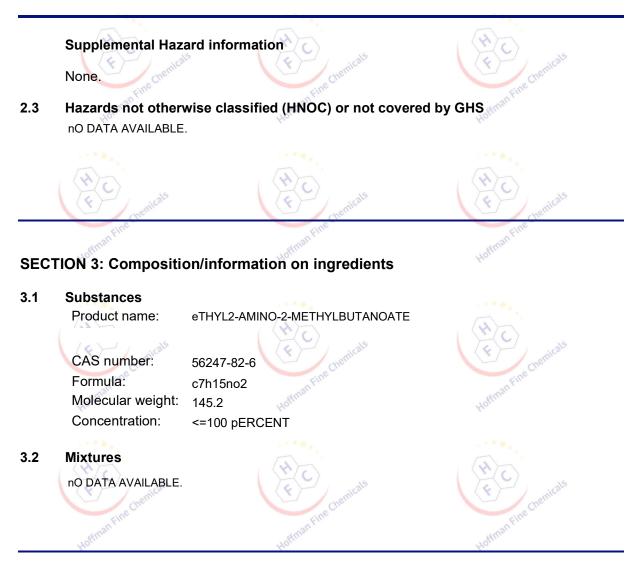
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2	GHS Label eler	ments, including precautionary statement
	Hazard pictogr	ams
	Fine	man fine
	Signal word	is tests tests
	Danger	ents
	Aman Fi	finan fi
	Hazard stateme	ents X ^o
	H226	Flammable liquid and vapour
	H315	Causes skin irritation
	H318	Causes serious eye damage
	H335 chemica	Excessive pressure may build up in a container.
	onFine	on fine confine confin
	Hoffman Fine Chemin	Evenesive process the finance build up in a container
		Excessive pressure may build up in a container. Open container with caution to prevent container damage and accidental release.
	Precautionary	
	P210	Keep away from heat/sparks/open flames/hot surfaces. nO SMOKING.
	p240 Fine C	gROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.
	p240	use explosion-proof electrical/ventilating/lighting equipment.
	p240 p241 p242	nf ^{fil}
		USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT.
	p242	USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. USE ONLY NON-SPARKING TOOLS.
	p242 p243 p261 p264	uSE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. uSE ONLY NON-SPARKING TOOLS. tAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. aVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY.
	p242 p243 p261 p264	uSE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. uSE ONLY NON-SPARKING TOOLS. tAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. aVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. wASH HANDS THOROUGHLY AFTER HANDLING. wASH SKIN THOUROUGHLY AFTER HANDLING.
	p242 p243 p261 p264	uSE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. uSE ONLY NON-SPARKING TOOLS. tAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. aVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. WASH HANDS THOROUGHLY AFTER HANDLING. WASH SKIN THOUROUGHLY AFTER HANDLING. uSE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.
	p242 p243 p261 p264 p271 p280	 uSE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. uSE ONLY NON-SPARKING TOOLS. tAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. aVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. wASH HANDS THOROUGHLY AFTER HANDLING. WASH SKIN THOUROUGHLY AFTER HANDLING. uSE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. wEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
	p242 p243 p261 p264	 uSE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. uSE ONLY NON-SPARKING TOOLS. tAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. aVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. wASH HANDS THOROUGHLY AFTER HANDLING. wASH SKIN THOUROUGHLY AFTER HANDLING. uSE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. wEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE
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	p242 p243 p261 p264 p271 p280 p302 p352	uSE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. uSE ONLY NON-SPARKING TOOLS. tAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. aVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. wASH HANDS THOROUGHLY AFTER HANDLING. wASH SKIN THOUROUGHLY AFTER HANDLING. uSE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. wEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. if on skin: WASH WITH PLENTY OF SOAP AND WATER.
	p242 p243 p261 p264 p271 p280 p302 p352 p303 p361 p353 p304 p340 p305 p351 p338	 uSE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. uSE ONLY NON-SPARKING TOOLS. tAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. aVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. wASH HANDS THOROUGHLY AFTER HANDLING. wASH SKIN THOUROUGHLY AFTER HANDLING. uSE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. wEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. if on skin OR HAIR: rEMOVE/tAKE OFF iMMEDIATELY ALL CONTAMINATED CLOTHIN rINSE skin WITH WATER/SHOWER. if inhaled: rEMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION if in eyes: rINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. rEMOVE
	p242 p243 p261 p264 p271 p280 p302 p352 p303 p361 p353 p304 p340 p305 p351 p338 p310	 uSE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. uSE ONLY NON-SPARKING TOOLS. tAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. aVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. wASH HANDS THOROUGHLY AFTER HANDLING. wASH SKIN THOUROUGHLY AFTER HANDLING. uSE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. wEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. if on skin: WASH WITH PLENTY OF SOAP AND WATER. if on skin OR HAIR: rEMOVE/tAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHIN rINSE skin WITH WATER/SHOWER. if inhaled: rEMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION If in eyes: rINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES, rEMOVE IMMEDIATELY CALLA POISON center OR DOCTOR/PHYSICIAN.
	p242 p243 p261 p264 p271 p280 p302 p352 p303 p361 p353 p304 p340 p305 p351 p338 p310 p332 p313	 uSE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. uSE ONLY NON-SPARKING TOOLS. tAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. aVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. wASH HANDS THOROUGHLY AFTER HANDLING. wASH SKIN THOUROUGHLY AFTER HANDLING. uSE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. wEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. if on skin: WASH WITH PLENTY OF SOAP AND WATER. if on skin OR HAIR: rEMOVE/tAKE OFF iMMEDIATELY ALL CONTAMINATED CLOTHIN rINSE skin WITH WATER/SHOWER. if inhaled: rEMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION if in eyes: rINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. rEMOVE ONLY CALL A poison center OR DOCTOR/PHYSICIAN. if skin IRRITATION OCCURS: gET MEDICAL ADVICE/ATTENTION.
	p242 p243 p261 p264 p271 p280 p302 p352 p303 p361 p353 p304 p340 p305 p351 p338 p310	 uSE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. uSE ONLY NON-SPARKING TOOLS. tAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. aVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. wASH HANDS THOROUGHLY AFTER HANDLING. wASH SKIN THOUROUGHLY AFTER HANDLING. uSE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. wEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. if on skin: WASH WITH PLENTY OF SOAP AND WATER. if on skin OR HAIR: rEMOVE/tAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHIN rINSE skin WITH WATER/SHOWER. if inhaled: rEMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION If in eyes: rINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES, rEMOVE MINUTED CLOTH ADDITION IN THE PLANT AND THE PLANT AND

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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

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. Fine

dANGER OF CONTAINERS BURSTING UPON HEATING.

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5.3 Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary. 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 AND EYES. 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

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

WIPE DRY, PLACE A RAG IN A BAG AND HOLD FOR WASTE DISPOSAL. aVOID FUMES INHALING. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

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 AND UPRIGHT. aVOID OVERHEATING. STORE IN A DRY AND WELL-VENTILATED PLACE AT PLUS 4c.

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.

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

Melting point/freezing point:

9.1 Information on basic physical and chemical properties

Appearance: Odor: Odor threshold: pH:

cOLORLESS LIQUID **nO DATA AVAILABLE.** nO DATA AVAILABLE. **nO DATA AVAILABLE.** nO DATA AVAILABLE. Initial boiling point/boiling range: 67-68 AT PRESSURE 20 MM hG

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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. 0.928

NO DATA AVAILABLE. NO DATA AVAILABLE. NO DATA AVAILABLE. 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 SPECIFIED STORAGE TEMPERATURE.
- 10.3 Possibility of hazardous reactions nO DATA AVAILABLE.
- 10.4 Conditions to avoid nO DATA AVAILABLE.

Hoffman Fine







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10.5 Incompatible materials sTRONG OXIDIZING AGENTS. 10.6 Hazardous decomposition products cARBON MONOXIDE, cARBON DIOXIDE, nITROGEN OXIDES **SECTION 11: Toxicological information** 11.1 Information on toxicological effects nO DATA AVAILABLE. Acute toxicity: nO DATA AVAILABLE. Skin corrosion/irritation: Serious eye damage/eye irritation: nO DATA AVAILABLE. nO DATA AVAILABLE. Respiratory or skin sensitization: nO DATA AVAILABLE. Germ cell mutagenicity: nO DATA AVAILABLE. Carcinogenicity: Reproductive toxicity: nO DATA AVAILABLE. Specific Target Organ Toxicity nO DATA AVAILABLE. (Single Exposure): Specific Target Organ Toxicity nO DATA AVAILABLE. (Repeated Exposure): nO DATA AVAILABLE. Aspiration hazard: nO DATA AVAILABLE. Chronic Symptoms:

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.

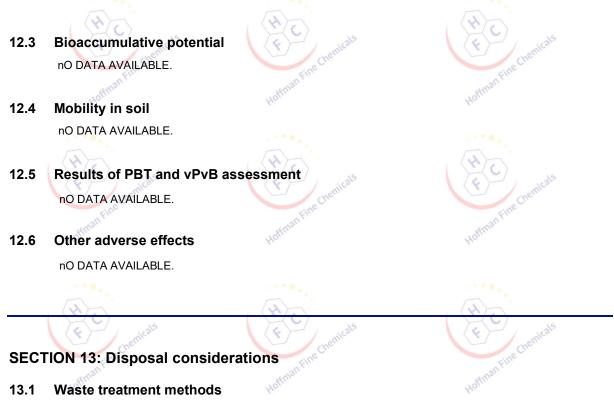
12.2 Persistence and degradability

nO DATA AVAILABLE.

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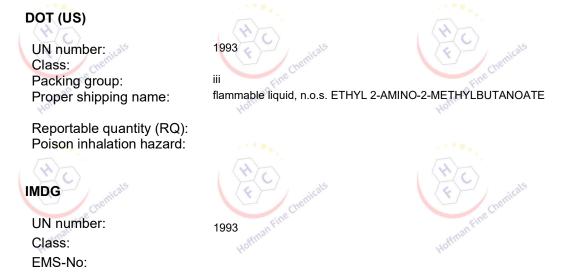
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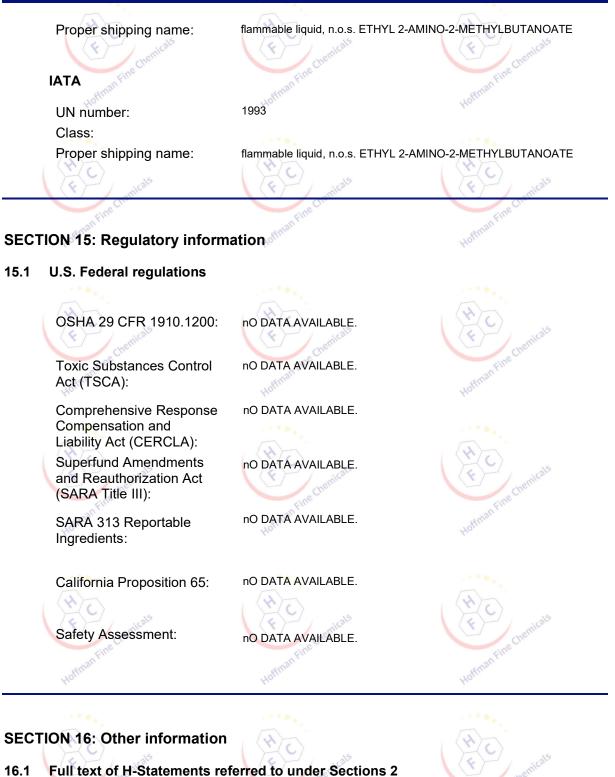
- a) Dispose of contents/container in accordance with local, regional, national, and international regulations.
- b) Avoid release to the environment.
- c) Contaminated packaging dispose of as unused product.

SECTION 14: Transport information



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h226

fLAMMABLE LIQUID AND VAPOUR



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CAUSES SKIN IRRITATION CAUSES SERIOUS EYE DAMAGE MAY CAUSE RESPIRATORY IRRITATION

eXCESSIVE PRESSURE MAY BUILD UP IN A CONTAINER.

OPEN CONTAINER WITH CAUTION TO PREVENT CONTAINER DAMAGE AND

16.2 Further information

h315 h318

h335

The reference company name of written contents:

Company: hOFFMAN fINE cHEMICALS pTY ITD

Address: 4 46-50 bUCHANAN rOAD, bROOKYN, vICTORIA, 3012, aUSTRALIA

Email: INFOATHOFFMANCHEMICALS.COM

Telephone: 61 3 7003 5401 Fax:

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.

FineCh

Version: 1 Revision Date: 1/14/2023 Print Date: 1/14/2023