SAFETY DATA SHEET

Revision date: 21-Sep-2021

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product identifier		
Product Name	TIMOVERT T40694	
Product Code(s)	00000032432	
Other means of identification		
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BERGAMOT OIL)	
UN number	3082	
Pure substance/mixture	Mixture	
Recommended use of the chemical and restrictions on use		
Recommended use	Perfumes, fragrances.	
Uses advised against	No information available.	
<u>Supplier</u> Ixom Operations Pty Ltd (Bronson & Jacobs division) - incorporated in Australia ABN:51 600 546 512 70 Marple Avenue Villawood NSW 2163 Australia		
Telephone Number: +61 2 8717 2929 Facsimile: +61 2 9755 9611		

Emergency telephone number

Emergency telephone number

1 800 033 111 (ALL HOURS)

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

2. HAZARDS IDENTIFICATION

GHS Classification

Classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG).

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail when transported by road or rail in: packagings that do not incorporate a receptacle exceeding 500 kg(L); or IBCs.



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Revision Number 3
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Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).

Flammable liquids	Category 4 - (H227)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Skin sensitization	Category 1A - (H317)
Reproductive toxicity	Category 2 - (H361)
Acute aquatic toxicity	Category 2 - (H401)
Chronic aquatic toxicity	Category 2 - (H411)

SIGNAL WORD

Danger

Label elements



Hazard statements

- H227 Combustible liquid
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H361 Suspected of damaging fertility or the unborn child
- H411 Toxic to aquatic life with long lasting effects

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Avoid breathing dust / fume / gas / mist / vapours / spray

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Avoid release to the environment

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention

Specific treatment (see First aid on this SDS)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

IF ON SKIN: Wash with plenty of soap and water

Take off contaminated clothing and wash before reuse

If skin irritation or rash occurs: Get medical advice/attention

In case of fire: Use extinguishing media as outlined in Section 5 of this Safety Data Sheet for extinction.

Collect spillage

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards which do not result in classification May be harmful if swallowed

Poisons Schedule (SUSMP)

3. COMPOSITION/INFORMATION ON INGREDIENTS

5

<u>Mixture</u>

Chemical name	CAS No.	Weight-%
Diethyl phthalate	84-66-2	10-<30
Oils, bergamot	8007-75-8	1-<10
D,L-Citronellol	106-22-9	1-<10
Benzyl salicylate	118-58-1	1-<10
.alphaHexylcinnamaldehyde	101-86-0	1-<10
.alphaAmylcinnamaldehyde	122-40-7	1-<10
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)	78-70-6	1-<10
2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (Geraniol)	106-24-1	1-<10
2-methyl-3-(4-tertbutylphenyl)-propanal (Lilial)	80-54-6	1-<10
Linalyl acetate	115-95-7	1-<10
3-Cyclohexene-1-carboxaldehyde, 4-(4-hydroxy-4-methylpentyl)- (Lyral)	31906-04-4	1-<10
9-Acetyl-8-cedrene	32388-55-9	1-<10
Hexyl salicylate	6259-76-3	1-<10
Non-hazardous ingredients	Proprietary	Balance

4. FIRST AID MEASURES

Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Emergency telephone number	Poisons Information Center, Australia: 13 11 26 Poisons Information Center, New Zealand: 0800 764 766
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes, and clothing.
Most important symptoms and offer	asts both acuto and dolayod

Most important symptoms and effects, both acute and delayed

Symptoms

Burning sensation. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization by skin contact. Treat symptomatically.

5. FIRE FIGHTING MEASURES		
Suitable Extinguishing Media		
Suitable Extinguishing Media	Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal protein foam can be used.	
Unsuitable extinguishing media	No information available.	
Specific hazards arising from the chemical		
Specific hazards arising from the chemical	Combustible liquid. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Product is or contains a sensitizer. May cause sensitization by skin contact. Environmentally hazardous. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.	
Hazardous combustion products	Carbon oxides.	
Special protective actions for fire-fighters		
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.	
Hazchem code	•3Z	
6. ACCIDENTAL RELEASE MEASURES		

Personal precautions, protective equipment and emergency procedures

Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.	
Other information	Refer to protective measures listed in Sections 7 and 8.	
For emergency responders	Use personal protection recommended in Section 8.	
Environmental precautions		
Environmental precautions	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.	
Methods and material for containment and cleaning up		
Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal. Keep out of drains, sewers, ditches and waterways.	
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.	

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Wear suitable gloves and eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage ConditionsKeep containers tightly closed in a dry, cool and well-ventilated place. Protect from direct
sunlight. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights,
electric motors and static electricity). Keep in properly labelled containers. Store in
accordance with the particular national regulations. Store in accordance with local
regulations. Store locked up. Keep out of the reach of children.Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in
accordance with the requirements of AS 1940. Refer to State Regulations for storage and
transport requirements.This material is a Scheduled Poison and must be stored, maintained and used in
accordance with the relevant regulations.Incompatible materialsStrong oxidizing agents.Poisons Schedule (SUSMP)5

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

No value assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standard(s) for constituent(s):

Chemical name	Australia	ACGIH TLV
Diethyl phthalate	8hr TWA = 5 mg/m ³	
84-66-2		

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Appropriate engineering controls

Engineering controls

Apply technical measures to comply with the occupational exposure limits.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

Individual protection measures, such as personal protective equipment

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.



9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	
Appearance	Clear	
Color	Colourless to Yellow	
Odor	Fresh, Citrus, Fruity, Green, Floral, He	erbaceous, Musky
Odor threshold	No information available.	
_		
Property	Values	Remarks • Method
рН	No data available	None known
pH (as aqueous solution)	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	90 °C	CC (closed cup)
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive	No data available	
limits		
Vapor pressure	No data available	None known
Vapor density	No data available	None known

@ 20 °C None known None known None known None known None known None known

81 - 1.001 data available data available data available data available data available data available
data available

Other information

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	
Reactivity	No information available.
Chemical stability	
Stability	Stable under normal conditions.
Explosion data Sensitivity to mechanical impac	t None.
Sensitivity to static discharge	Yes.
Possibility of hazardous reactions	
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	
Conditions to avoid	Heat, flames and sparks. Direct sunlight.
Incompatible materials	
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	
Hazardous decomposition products Carbon oxides.	
11. TOXICOLOGICAL INFORMATION	

Acute toxicity

Information on likely routes of exposure

Product Information	No adverse health effects expected if the chemical is handled in accordance with this Safety Data Sheet and the chemical label. Symptoms or effects that may arise if the chemical is mishandled and overexposure occurs are:
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Severely irritating to eyes. Causes serious eye damage. May cause burns. May cause irreversible damage to eyes. (based on components).
Skin contact	Specific test data for the substance or mixture is not available. May cause sensitization by

	skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May be harmful if swallowed.
Symptoms	Redness. Burning. May cause blindness. Itching. Rashes. Hives. May cause redness and tearing of the eyes.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document ATEmix (oral) >2,000 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Diethyl phthalate	= 8600 mg/kg (Rat)	> 11200 mg/kg (Rat)	> 4.64 mg/L (Rat)6 h
Oils, bergamot	= 11520 mg/kg (Rat)	-	-
D,L-Citronellol	= 3450 mg/kg (Rat)	= 2650 mg/kg (Rabbit)	-
Benzyl salicylate	= 2227 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
.alphaHexylcinnamaldehyde	= 3100 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	> 5 mg/L (Rat)4 h
.alphaAmylcinnamaldehyde	= 3730 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)	= 2790 mg/kg (Rat)	= 5610 mg/kg (Rat)	-
2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (Geraniol)	= 3600 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
2-methyl-3-(4-tertbutylphenyl)- propanal (Lilial)	= 1390 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 1802 mg/m³(Rat)4 h
Linalyl acetate	= 14550 mg/kg (Rat) = 13934 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
3-Cyclohexene-1-carboxaldehy de, 4-(4-hydroxy-4-methylpentyl)- (Lyral)	= 3250 µL/kg (Rat)	= 11300 µL/kg (Rabbit)	-
Hexyl salicylate	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	-

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Classification based on data available for ingredients. Irritating to skin.	
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.	
Respiratory or skin sensitization	May cause sensitization by skin contact.	
Germ cell mutagenicity	No information available.	
Carcinogenicity	No information available.	

Reproductive toxicity	Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity

Toxic to aquatic life with long lasting effects. Keep out of waterways.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Diethyl phthalate	EC50: =23mg/L (72h, Desmodesmus subspicatus) EC50: =21mg/L (96h, Desmodesmus subspicatus) EC50: 42 - 255mg/L (72h, Pseudokirchneriella subcapitata) EC50: 2.11 - 4.29mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =17mg/L (96h, Pimephales promelas) LC50: =16.8mg/L (96h, Pimephales promelas) LC50: =22mg/L (96h, Lepomis macrochirus) LC50: =16.7mg/L (96h, Lepomis macrochirus) LC50: =12mg/L (96h, Oncorhynchus mykiss)	-	EC50: 36 - 74mg/L (48h, Daphnia magna) EC50: =86mg/L (48h, Daphnia magna)
Benzyl salicylate	-	LC50: =1.03mg/L (96h, Danio rerio)	-	-
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)	EC50: =88.3mg/L (96h, Desmodesmus subspicatus)	LC50: =27.8mg/L (96h, Oncorhynchus mykiss) LC50: 22 - 46mg/L (96h, Leuciscus idus)	-	EC50: =20mg/L (48h, Daphnia magna)
2,6-Octadien-1-ol, 3,7-dimethyl-, (E)- (Geraniol)	-	LC50: =22mg/L (96h, Danio rerio)	-	-
2-methyl-3-(4-tertbutylp henyl)-propanal (Lilial)	-	LC50: 2.2 - 4.6mg/L (96h, Brachydanio rerio)	-	EC50: =10.7mg/L (48h, Daphnia magna)
Linalyl acetate	-	LC50: =11mg/L (96h, Cyprinus carpio)	-	-

Persistence and degradability

Persistence and degradability No information available.

Bioaccumulative potential

Bioaccumulation

There is no data for this product.

Component Information

Chemical name	Partition coefficient
Diethyl phthalate	2.35
1,6-Octadien-3-ol, 3,7-dimethyl- (Linalool)	2.84 - 3.1
2-methyl-3-(4-tertbutylphenyl)-propanal (Lilial)	4.2

<u>Mobility</u>

Mobility in soil

No information available.

Other adverse effects

Endocrine Disruptor Information

Chemical na	ame	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine disrupting potential
Diethyl phtha	alate	Group III Chemical	-	-

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

14. TRANSPORT INFORMATION

ADG

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail when transported by road or rail in: packagings that do not incorporate a receptacle exceeding 500 kg(L); or IBCs.

UN number	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BERGAMOT OIL)
	BERGAMOT OIL)
Hazard class	9
Packing group	
Environmental hazard	Yes
Hazchem code	•3Z

<u>IATA</u>

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS
	BERGAMOT OIL)
Transport hazard class(es)	9
Packing group	III

IMDG

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN number UN proper shipping name	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BERGAMOT OIL)
Transport hazard class(es)	9
Packing group	
IMDG EMS Fire	F-A
IMDG EMS Spill	S-F
Marine pollutant	Yes

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

<u>Australia</u>

Classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG).

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail when transported by road or rail in: packagings that do not incorporate a receptacle exceeding 500 kg(L); or IBCs.

Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).

See section 8 for national exposure control parameters

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP) **Poisons Schedule (SUSMP)** 5

International Inventories AIIC

All the constituents of this material are listed on the Australian Inventory of Industrial Chemicals.

Legend:

- Australian Inventory of Industrial Chemicals

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. OTHER INFORMATION

Reason(s) For Issue: 5 Yearly Revised Primary SDS

Issuing Date: 21-Sep-2021

This Safety Data Sheet has been prepared by Ixom Operations Pty Ltd (Toxicology and SDS Services).

Revision Note:

The symbol (*) in the margin of this SDS indicates that this line has been revised.

Key or legend to abbreviations and acronyms used in the safety data sheet Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
С	Carcinogen		

Key literature references and sources for data used to compile the SDS

EPA (Environmental Protection Agency) Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) Japan GHS Classification Australian Industrial Chemicals Introduction Scheme (AICIS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) National Toxicology Program (NTP) New Zealand's Chemical Classification and Information Database (CCID) Organization for Economic Co-operation and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development High Production Volume Chemicals Program Organization for Economic Co-operation and Development Screening Information Data Set RTECS (Registry of Toxic Effects of Chemical Substances) World Health Organization

Disclaimer

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Ixom Operations Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Bronson & Jacobs representative or Ixom Operations Pty Ltd at the contact details on page 1.

Ixom Operations Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

Bronson and Jacobs incorporating the businesses of Woods and Woods and Keith Harris.

End of Safety Data Sheet