

1 Identification of the substance/mixture and of the company/undertaking

· Product details

· Trade name: Triisodecyl phosphite

· Registration number 05-2116663587-30-0000 (Pre-reg No.)

· Application of the substance / the preparation

Used as Antioxidant/stabilizer in various synthetic Rubbers and in manufacture and processing of Polymers .

Manufacturer/Supplier:

United
Phosphorus
Limited
UniPhos
House,
Madhu
Park,

11th Road, Khar (W),

Mu
mba
i-40
005
2

· Further information obtainable from:

Tel: 91-22-26468000

Fax: 91-22-26461631

· Information in case of emergency:

Contact details of
European importer
Emergency
telephone number:
Telephone number
of EU importer:
Opening hours:

Other Comments (e.g. language(s) of the phone service): English

· Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008 Void

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

· Information concerning particular hazards for human and environment: Not applicable.

· Label elements

· **Labelling**

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according to Regulation (EC) No 1272/2008

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· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard-determining components of labelling:** Void

· **Hazard statements** Void

· **Labelling according to EU guidelines:**

The substance is not subject to classification according to EU lists and other sources of literature known to us.

Observe the general safety regulations when handling chemicals.

· **Chemical characterization:**

· **CAS No. Description**

25448-25-3 Triisodecyl phosphite

· **Identification number(s)**

· **EINECS Number:** 246-998-3

· **Additional information:**

Chemical Formula : C30H63O3P

Molecular weight : 502.79

IN

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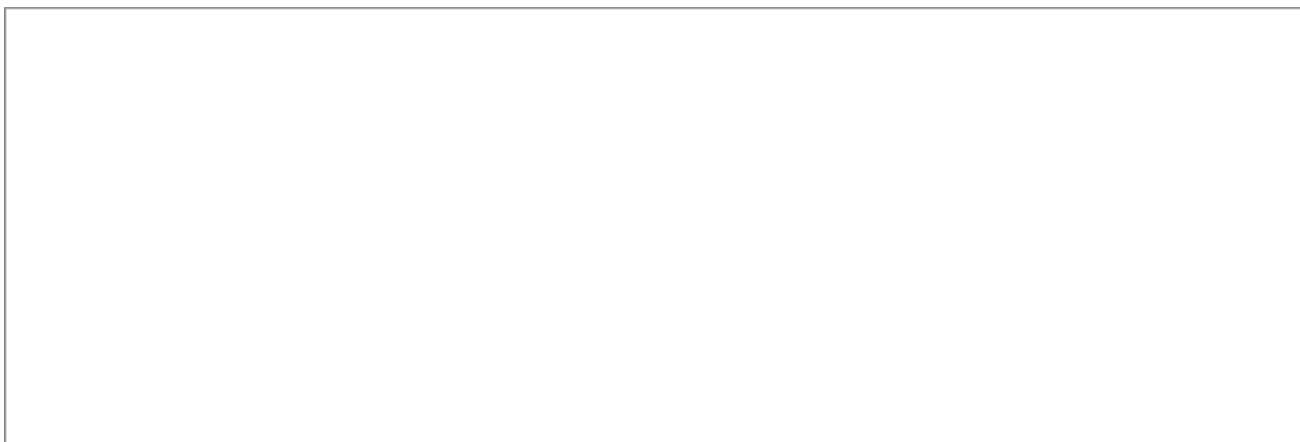
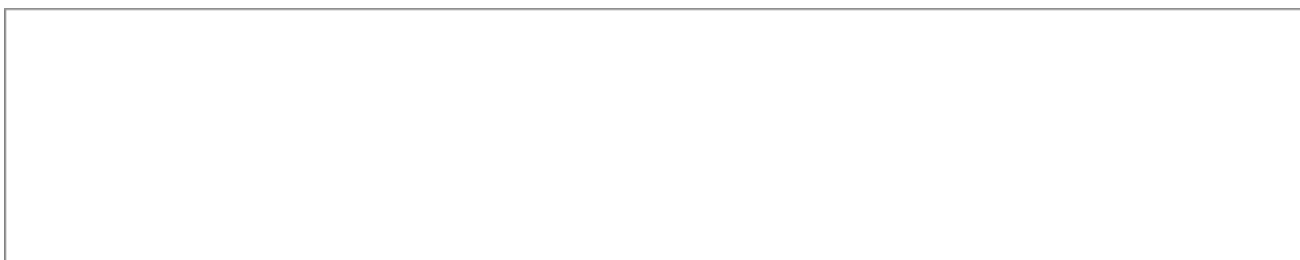
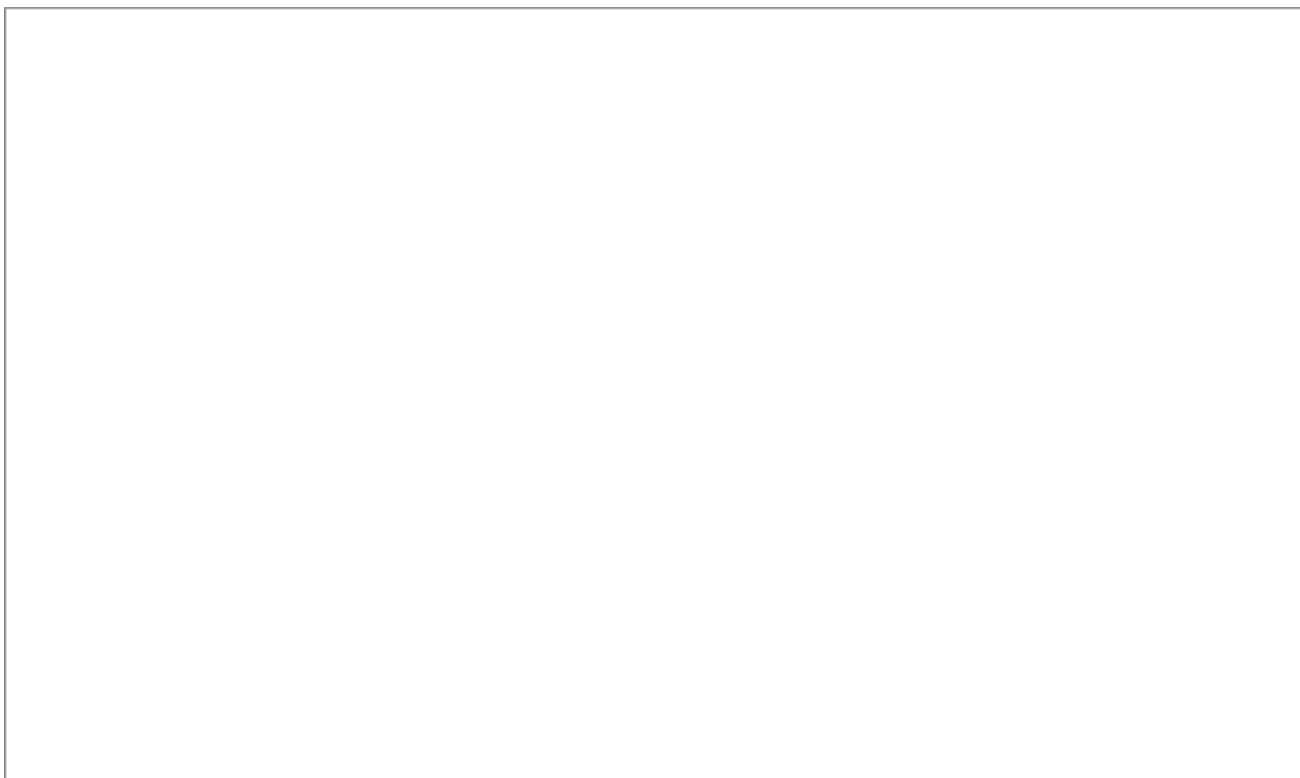
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· **General information:**

Immediately remove the contaminated clothes and shoes, obtain medical attention if symptoms develop.

· **After inhalation:**

Remove to fresh air. In case of irritation of respiratory system or mucous membranes or if feeling unwell or after prolonged exposure get medical attention.

· **After skin contact:**

Immediately flush skin thoroughly with water for at least 15 minutes while removing contaminated clothing and shoes. Do not use organic solvents. Obtain medical attention if irritation persists.

· **After eye contact:**

Immediately flush eyes with water and continue washing for at least 15 minutes. In case of eye irritation seek medical attention.

· **After swallowing:**

Give medicinal activated charcoal 10 g in 100 ml water at 20 minute intervals (5 x). In case of spontaneous vomiting ensure that vomitus can drain freely to avoid risk of suffocation. Drink water in small sips. (Diluting effect)

Do not induce vomiting. In case of in consciousness or convulsion no oral administration.

Obtain medical attention immediately.

· **Information for doctor:** Treat symptomatically and supportively.

· **The following symptoms may occur:**

- Inhalation : May cause irritation to the respiratory system
- Skin contact : May cause irritation to skin
- Eye Contact : May cause irritation to eyes on contact
- Ingestion : Substance may be harmful if swallowed

· **Suitable extinguishing agents:** Water Mist, foam, carbon dioxide or dry powder (ABC Product)

· **For safety reasons unsuitable extinguishing agents:** High volume water jet.

· **Special hazards caused by the substance, its products of combustion or resulting gases:**

May produce toxic gases like carbon mono-oxide.

· **Protective equipment:** Wear an approved self-contained respiratory protective device and protective suit

· **Person-related safety precautions:**

Ensure adequate ventilation

Keep away from ignition sources.

Wear appropriate protective equipment and clothing and also provide respiratory equipments and eye protection.

· **Measures for environmental protection:** Do not allow product to reach sewage system or any water course.

· **Measures for cleaning/collecting:**

Soak up with liquid absorbing media and place into seal container for disposal with wearing protective equipment. Use non sparking tool for clean up.

· **Additional information:**

Refer to section 8 and 13 for additional information on personal protection equipment and disposal methods.

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Handling:

· **Information** Printing date:
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for safe handling:

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Avoid formation of vapors/aerosols,

Use only in well ventilated areas

· **Information about fire - and explosion protection:** *Keep ignition sources away - Do not smoke.*

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in tightly closed containers and in well ventilated area.

· **Information about storage in one common storage facility:**

Do not store together with oxidizing agent or strong acid or bases

· **Further information about storage conditions:**

Store in a cool place with adequate ventilation. Recommended storage temperature: 15 to 30 °C

Store away from sunlight.

Store in a dry place away from moisture.

· **Specific applications**

Used as Antioxidant/stabilizer in various synthetic Rubbers and in manufacture and processing of Polymers

· **Additional information about design of technical facilities:** *No further data; see item 7.*

· **Ingredients with limit values that require monitoring at the workplace:** *Not required.*

· **Additional information:** *The lists valid during the making were used as basis.*

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:** *Gas filter type A, if technical measures for exhaust are insufficient.*

· **Protection of hands:**



Protective gloves

· **Material of gloves**

Gauntlet type gloves of nitrile rubber or butyl rubber recommended; for short time PVC is suitable.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** *Use chemical safety glasses.*

· **Body protection:**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls as appropriate to prevent skin contact

· **General**

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**Informati
on**

Appearance:

Form: *Liquid*

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Colour:	Not available
· Odour:	Not available.
· Change in condition Melting point/Melting range: Undetermined. Boiling point/Boiling range: >250°C	
· Flash point:	113°C(close cup)
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20°C:	0.89 g/cm ³
· Solubility in / Miscibility with water:	Insoluble.
· Additional information:	Solubility(ies) : soluble in organic solvent



- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications. Avoid contact with heat, spark and flame.
- **Materials to be avoided:** Oxidizing agents, acids, bases.
- **Dangerous**

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reactions No dangerous reactions known.

- **Dangerous decomposition products:** Thermal decomposition may result in the evolution of phosphorous oxides.

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** May cause mild skin irritation.

· **on the eye:** May cause mild eye irritation.

· **Sensitization:** No sensitizing effects known.

· **Subacute to chronic toxicity:**

Effect of Short-Term Exposure

The substance irritates the eyes. It also causes irritation to the skin and respiratory system.

Effect of Long term exposure

Prolonged and over exposure may lead to suffocation or in consciousness or convulsion.

· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

· **Additional ecological information:**

· **General notes:** Do not allow product to reach ground
water, water course or sewage
system.

· **Results of PBT and vPvB assessment TO BE
PROVIDED IN THE REGISTRATION
DOSSIER**

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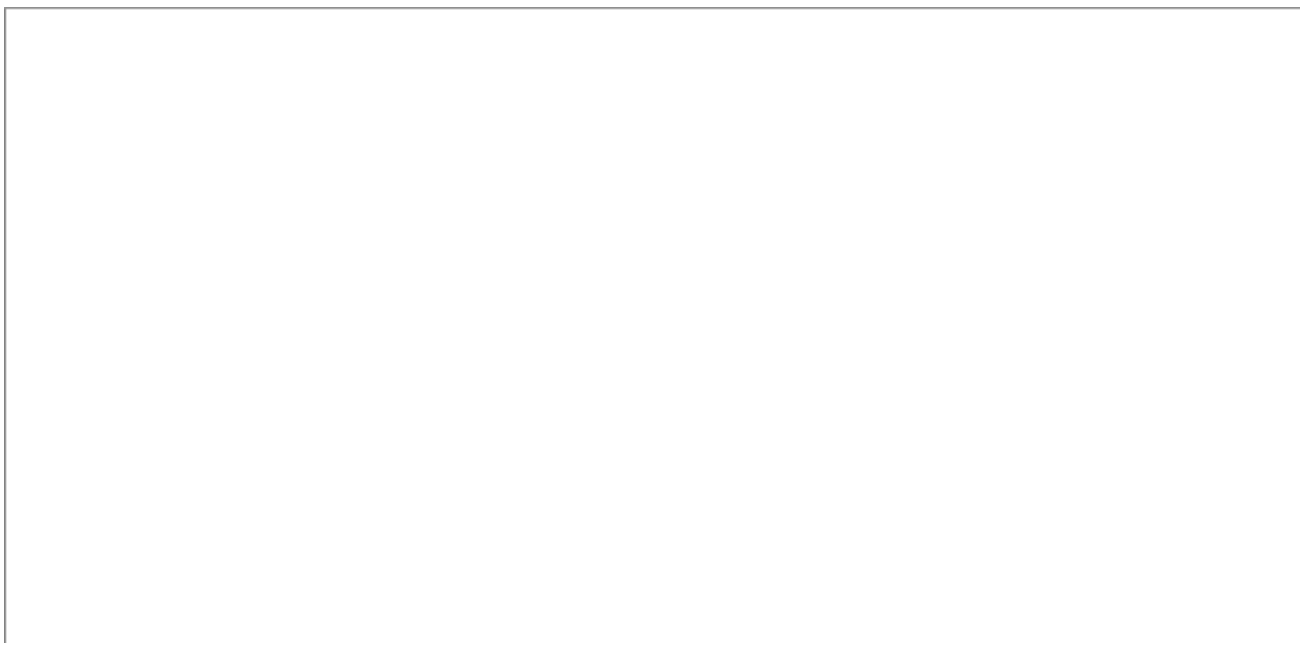
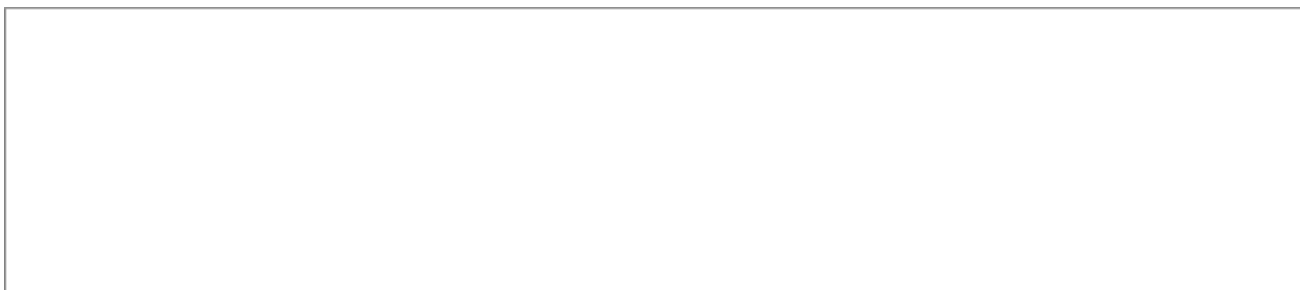
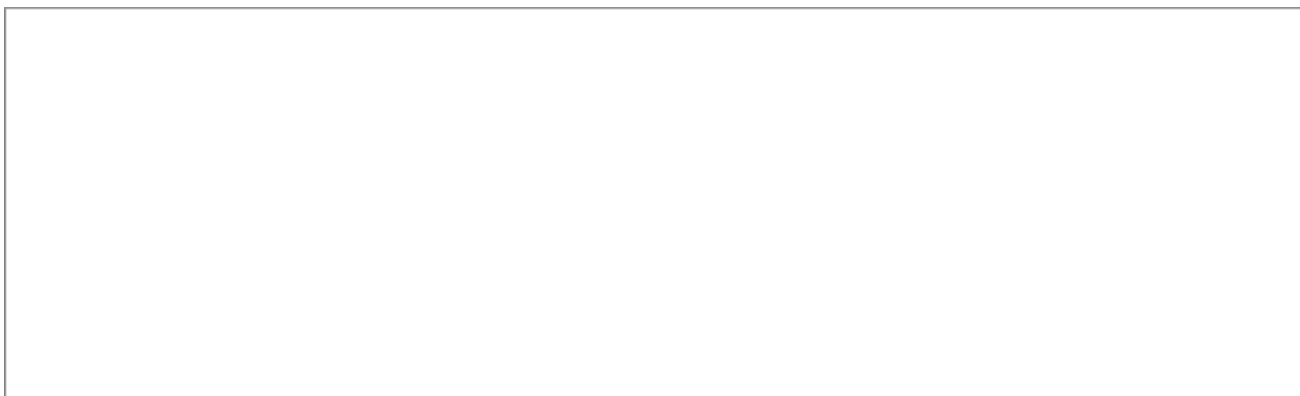
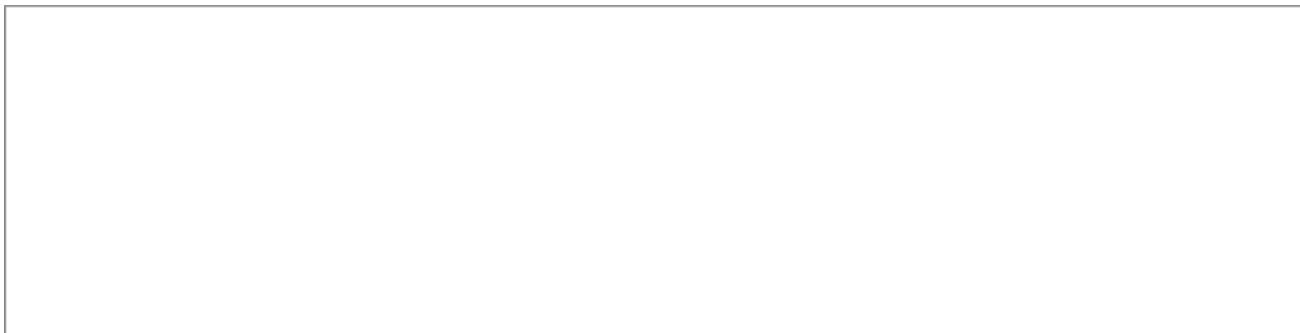
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- **Product:**
- **Recommendation** *Smaller quantities can be disposed of with household waste.*
- **European waste catalogue**
Waste codes / waste designations according to EWC/AVV : 07 02 : Wastes from the manufacture, formulation, supply and use (MFSU) of plastics, synthetic rubber and man-made fibres
- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ul style="list-style-type: none">· Land transport ADR/RID (cross-border)· ADR/RID class: -· Maritime transport IMDG:· IMDG Class: | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **UN "Model Regulation":** -

- | | |
|--|--|
| | |
|--|--|
- **Chemical safety assessment** *A Chemical Safety Assessment has not been carried out.*
 - **National regulations:**
 - **Other regulations, limitations and prohibitive regulations** *Not applicable*
 - **Substances of very high concern (SVHC) according to REACH, Article 57**
The substance is not listed as SVHC.

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This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** *Product safety department.*

· **Abbreviations**

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and acronyms:

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ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IMDG:

International Maritime Code for

Dangerous Goods IATA:

International Air Transport

Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

EINECS: European Inventory of Existing Commercial Chemical

Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

· **Sources**

• **REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006**

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http://www.chemtura.com/msd/external/e/result/report.jsp?P_LANGU=E&P_SYS=6&P_SSN=7136&P_REP=00000000000000000019&P_RES=1817

* Data compared to the previous version altered.

Section 4:

Section 5:

Fire-fighting measures

Section 6: Accidental

Release measures

Section 7: Handling and storage.

Section 8: Exposure Controls/Personal protection.

Section 9: Physical and Chemical properties. Section 10: Stability and Reactivity.

Section 11: Toxicological Information.

Section 12:

Ecological

Information. Section

13: Disposal consideration.

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