

	Page: 1
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date:04/08/2024
	SDS Number: R0717873
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	Version: 1.10

29 CFR 1910.1200 (OSHA HazCom 2012)

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

Trade name : x-tend™ 226 ester  
Description : ester  
™ Trademark, Ashland or its subsidiaries, registered in various countries

Substance name Phenethyl benzoate

Substance No.  
EC-No. 202-336-5

CAS-No. 94-47-3

### Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Personal care  
Cosmetics

<b>Details of the supplier of the safety data sheet</b> Ashland P.O. Box 2219 Columbus, OH 43216 United States of America (USA) 1-614-790-3333 (USA)  EHSProductSafety@ashland.com	<b>Emergency telephone</b> 1-800-ASHLAND (1-800-274-5263)  <b>Regulatory information</b> 1-614-790-3333 (customer service)  <b>Product Information</b> 1-614-790-3333 (USA)
---	--

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Not a hazardous substance or mixture.

### GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

	Page: 2
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date:04/08/2024
	SDS Number: R0717873
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	Version: 1.10

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Substance

**Hazardous ingredients**

No hazardous ingredients

**SECTION 4. FIRST AID MEASURES**

- General advice : Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Induce vomiting immediately and call a physician.  
Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Gastrointestinal discomfort  
Nausea
- Notes to physician : Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

	Page: 3
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date: 04/08/2024
	SDS Number: R0717873
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	Version: 1.10

- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods :
- Further information : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

## SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Electrical installations / working materials must comply with

	Page: 4
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date:04/08/2024
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	SDS Number: R0717873 Version: 1.10

the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

---

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

### Personal protective equipment

**Respiratory protection** : In the case of vapour formation use a respirator with an approved filter within the capabilities of the respirator/filter combination.  
Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.

### Hand protection

**Material** : butyl-rubber  
**Break through time** : 480 min  
**Glove thickness** : > 0.5 mm

**Remarks** : The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

**Eye protection** : Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.  
Eye wash bottle with pure water

**Skin and body protection** : Work uniform or laboratory coat.  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures** : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

	Page: 5
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date:04/08/2024
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	SDS Number: R0717873 Version: 1.10

---

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: liquid
Color	: colorless, light yellow
Odor	: floral
Odor Threshold	: No data available
pH	: No data available
Melting point/freezing point	: not determined
Boiling point/boiling range	: 284 °F / 140 °C
Flash point	: 230 °C(Estimated)
Evaporation rate	: not determined
Flammability (solid, gas)	: not determined
Flammability (liquids)	: not determined
Flammability (liquids) Upper explosion limit	: not determined
Lower explosion limit	: not determined
Vapor pressure	: not determined
Relative vapor density	: not determined
Relative density	: No data available
Density	: 1.09 - 1.11 g/cm <sup>3</sup>
Solubility(ies) Water solubility	: not determined
Solubility in other solvents	: No data available

	Page: 6
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date:04/08/2024
	SDS Number: R0717873
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	Version: 1.10

Partition coefficient: n-octanol/water : not determined

Thermal decomposition : No data available

Viscosity  
Viscosity, dynamic : not determined

Viscosity, kinematic : not determined

Oxidizing properties : Not applicable

---

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Vapors may form explosive mixture with air.

Conditions to avoid : Protect from frost, heat and sunlight.

Incompatible materials : Strong bases  
Oxidizing agents  
Strong acids

Hazardous decomposition products : Sulfur oxides  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide

---

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure : Inhalation  
Eye contact  
Skin contact  
Ingestion

**Acute toxicity**  
Not classified due to lack of data.  
**Product:**

	Page: 7
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date:04/08/2024
	SDS Number: R0717873
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	Version: 1.10

Acute oral toxicity : (Rat): > 5,000 mg/kg

Acute toxicity estimate : 2,500 mg/kg  
Method: Calculation method

Acute dermal toxicity : (Rabbit): > 2,000 mg/kg

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Product:**

Species: Rabbit

Remarks: slight irritation

**Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

**Product:**

Species: Rabbit

Remarks: No eye irritation

**Respiratory or skin sensitization**

Skin sensitization: Based on available data, the classification criteria are not met.

Respiratory sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Not classified due to lack of data.

**Carcinogenicity**

Not classified due to lack of data.

**Reproductive toxicity**

Not classified due to lack of data.

**STOT-single exposure**

Not classified due to lack of data.

**STOT-repeated exposure**

Not classified due to lack of data.

**Aspiration toxicity**

Not classified due to lack of data.

**Further information**

**Product:**

Remarks: No data available

**Carcinogenicity:**

**IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

	Page: 8
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date: 04/08/2024
	SDS Number: R0717873
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	Version: 1.10

**NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

Ecotoxicology Assessment

Short-term (acute) aquatic hazard

: Not classified based on available information.

Long-term (chronic) aquatic hazard

: Not classified based on available information.

**Persistence and degradability****Product:**

Biodegradability

: Result: Inherently biodegradable.

Biodegradation: 47.36 %

Exposure time: 35 d

Method: OECD Test Guideline 301D

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**Product:**

Additional ecological information

: No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

General advice

: Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with chemical or used container.

Send to a licensed waste management company.

Contaminated packaging

: Empty remaining contents.

Dispose of as unused product.



**SAFETY DATA SHEET**

Revision Date: 01/02/2024

Print Date:04/08/2024

SDS Number: R0717873

Version: 1.10

x-tend™ 226 ester  
™ Trademark, Ashland or its subsidiaries, registered  
in various countries  
832490

Do not re-use empty containers.

**SECTION 14. TRANSPORT INFORMATION**

**International transport regulations**

**REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

**U.S. DOT - ROAD**

Not dangerous goods

**CFR\_RAIL\_C**

Not dangerous goods

**U.S. DOT - INLAND WATERWAYS**

Not dangerous goods

**TDG\_ROAD\_C**

Not dangerous goods

**TDG\_RAIL\_C**

Not dangerous goods

**TDG\_INWT\_C**

Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

	Page: 10
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date:04/08/2024
	SDS Number: R0717873
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	Version: 1.10

Not dangerous goods
---------------------

**MX\_DG**

Not dangerous goods
---------------------

**\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant		no
------------------	--	----

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

**SECTION 15. REGULATORY INFORMATION**

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**EPCRA - Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US State Regulations**

	Page: 11
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date: 04/08/2024
	SDS Number: R0717873
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	Version: 1.10

**Pennsylvania Right To Know**

PHENETHYL BENZOATE IFF 94-47-3

**New Jersey Right To Know**

PHENETHYL BENZOATE IFF 94-47-3

**California Prop. 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**The ingredients of this product are reported in the following inventories:**

- TCSI : On the inventory, or in compliance with the inventory
- TSCA : For Cosmetic Use Only
- AIIC : On the inventory, or in compliance with the inventory
- DSL : All components of this product are on the Canadian DSL
- ENCS : On the inventory, or in compliance with the inventory
- ISHL : On the inventory, or in compliance with the inventory
- KECI : On the inventory, or in compliance with the inventory
- PICCS : On the inventory, or in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory

**Inventories**

AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TECI (Thailand), TSCA (USA)

**Other regulations**

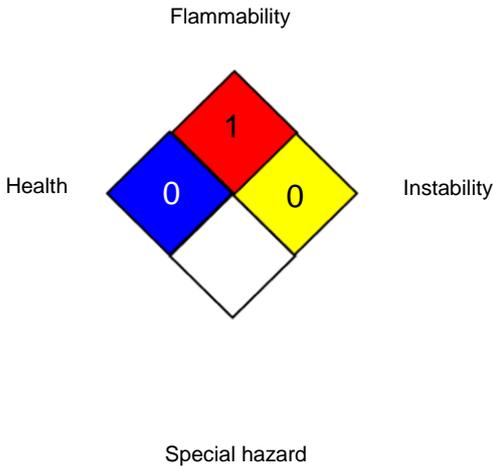
US. Drug Enforcement Administration (DEA) Listed Precursor and Essential Chemicals (21 CFR 1310) Not applicable

	Page: 12
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date: 04/08/2024
	SDS Number: R0717873
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	Version: 1.10

**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA 704:**



**HMIS® IV:**

<b>HEALTH</b>	/	1
<b>FLAMMABILITY</b>		1
<b>PHYSICAL HAZARD</b>		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

**Full text of H-Statements**

**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing

	Page: 13
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date:04/08/2024
	SDS Number: R0717873
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	Version: 1.10

Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

This sds has been prepared by Ashland. (<http://www.ashland.com>)

Sources of key data used to compile the Material Safety Data Sheet : Ashland internal data including own and sponsored test reports  
European Union Law with content from the Official Journal of the European Union.  
European Chemicals Agency; the EU authority implementing the EU's chemicals legislation for companies.  
The German Water Hazard Classes.  
ReachCentrum; a series of support services to help comply with REACH regulations.  
The European Commission; proposing legislation, administering and implementing EU policies, and enforcing EU law.  
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.  
Cefic, the European Chemical Industry Council.  
ESIS European Chemical Substances Information System

Revision Date : 01/02/2024

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a

	Page: 14
<b>SAFETY DATA SHEET</b>	Revision Date: 01/02/2024
	Print Date:04/08/2024
x-tend™ 226 ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 832490	SDS Number: R0717873 Version: 1.10

guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN