

xcrën HD

Safety Data Sheet

XHD-1P

Purple / Berry Fragrance

SECTION 1: IDENTIFICATION

1.1 Product identifier

Product name	Purple / Berry Fragrance
Product code	XHD-1P, XHD-1P-12
Product type	Fragranced solid plastic urinal screen

1.2 Recommended use and restrictions on use

Recommended use	Urinal hygiene — professional/institutional use
Uses advised against	Any use other than specified above

1.3 Supplier information

Company	Ekcoss Innovations
Address	12000 US Hwy 281 N, Round Mountain, TX 78663, USA
Telephone	(925) 371-1277
Email	info@ekcos.com

1.4 Emergency telephone number

Emergency contact (24/7)	(510) 908-3114
Business hours	(925) 371-1277 Option 2 (M–F 8:00–16:00 PST)

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the chemical

In accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200

Hazard Class	Category	H-Statement
Skin Sensitization	Category 1	H317 — May cause an allergic skin reaction.

2.2 Label elements

Hazard pictogram	 Exclamation mark (GHS07)
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Signal word	Warning
Hazard statement	H317 — May cause an allergic skin reaction.

Precautionary statements:

Code	Statement
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container in accordance with applicable Federal, State and local laws and regulations.

2.3 Hazards not otherwise classified (HNOC)

This product is a solid article. Under normal conditions of use, the following hazards do not apply: flammability, acute oral toxicity, acute inhalation toxicity. No additional hazards have been identified.

2.4 Unknown acute toxicity

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Component	CAS No.	Concentration
Ethylenevinylacetate copolymer (EVA)	24937-78-8	95–99% (w/w)
Fragrance	Mixture	1–5% (w/w)
↳ Benzaldehyde	100-52-7	1.25–<2.5% (w/w)
↳ Ethyl 2,3-epoxy-3-phenylbutyrate	77-83-8	0.125–<0.5% (w/w)
Eco-One EG35 (biobased additive)	Polyolefin mixture	<1% (w/w)

Additional fragrance components are present at concentrations below the 1% disclosure threshold under OSHA HazCom 2012 (29 CFR 1910.1200). The skin sensitization classification (H317) is attributable to Ethyl 2,3-epoxy-3-phenylbutyrate, present above the 0.1% GHS classification threshold for skin sensitizers. Fragrance components are used exclusively for olfactory purposes.

SECTION 4: FIRST-AID MEASURES

4.1 Description of first-aid measures

Inhalation	Not an expected route of exposure under normal conditions of use. If discomfort occurs, move person to fresh air. If symptoms persist, seek medical attention.
Skin contact	This product may cause an allergic skin reaction in sensitized individuals. Remove contaminated clothing. Wash affected area thoroughly with soap and water for at least 15 minutes. If skin irritation or rash develops, seek medical attention and bring this SDS.
Eye contact	Not an expected route of exposure under normal conditions of use. If contact occurs, flush eyes with clean water for at least 15 minutes. Remove contact lenses after first 1–2 minutes if present and easy to do. If irritation persists, seek medical attention.
Ingestion	Not an expected route of exposure under normal conditions of use. This product is a solid article and is not intended for ingestion. If swallowed, do not induce vomiting. Seek medical attention immediately and bring this SDS.

4.2 Most important symptoms and effects, both acute and delayed

Route	Symptoms
Skin contact	Allergic skin reaction, redness, rash or itching in sensitized individuals
Eye contact	Possible mechanical irritation
Inhalation	No significant effects expected under normal conditions of use
Ingestion	No significant effects expected under normal conditions of use

4.3 Indication of any immediate medical attention and special treatment needed

No specific antidote. Treat symptomatically. If skin sensitization reaction occurs, consult a physician. Bring this SDS to any medical consultation.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water fog or fine spray, dry chemical, carbon dioxide (CO₂), foam.

Unsuitable extinguishing media: Do not use direct water stream — may spread burning material.

5.2 Special hazards arising from the chemical

This product is a solid plastic article and is not classified as flammable under OSHA HazCom 2012. Under fire conditions, thermal decomposition may generate hazardous combustion products including carbon monoxide (CO), carbon dioxide (CO₂), and other organic compounds.

5.3 Special protective equipment and precautions for fire-fighters

Firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus (SCBA) operated in positive pressure mode. Cool surrounding containers and structures with water to prevent fire spread.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

This product is a solid article. In the event of accidental release (e.g., spilled units), no special emergency procedures are required. Pick up units manually. Wear protective gloves as indicated in Section 8.

6.2 Environmental precautions

This product is not classified as environmentally hazardous. Prevent loose units from entering drains, sewers or waterways.

6.3 Methods and materials for containment and cleaning up

Collect spilled units manually and return to appropriate container. No absorbent materials or special cleanup equipment required. For disposal of damaged or unusable units, refer to Section 13.

6.4 Reference to other sections

See Section 8 for personal protective equipment. See Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

This product is a solid article intended for professional/institutional use. No special handling precautions are required under normal conditions of use.

Skin contact	Avoid prolonged or repeated skin contact.
Hygiene	Wash hands thoroughly after handling.
Access	Keep out of reach of children.
Use	Do not use for purposes other than those specified in Section 1.

Refer to Section 2 for hazard classification and Section 8 for personal protective equipment recommendations.

7.2 Conditions for safe storage, including any incompatibilities

Parameter	Value
Storage temperature	5°C – 35°C (41°F – 95°F)
Maximum storage time	24 months from date of manufacture
Storage conditions	Store in a cool, dry, well-ventilated area away from direct sunlight and heat sources. Keep in original packaging until use.
Incompatible materials	Strong acids, strong bases, strong oxidizing agents

7.3 Specific end use(s)

Urinal hygiene screen for professional/institutional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits (OELs) for components requiring declaration:

Component	CAS No.	OSHA PEL	ACGIH TLV	NIOSH REL
Benzaldehyde	100-52-7	Not established	Not established	Not established
Ethyl 2,3-epoxy-3-phenylbutyrate	77-83-8	Not established	Not established	Not established

No occupational exposure limits have been established for the declared components under OSHA, ACGIH or NIOSH. Under normal conditions of use as a solid article, airborne exposure is not expected.

8.2 Appropriate engineering controls

No special engineering controls are required under normal conditions of use. General room ventilation is adequate. If product is handled in large quantities in enclosed spaces, ensure adequate ventilation.

8.3 Individual protection measures / Personal protective equipment (PPE)

PPE Type	Requirement	Specification
Respiratory protection	Not required under normal conditions of use	If handling large quantities in enclosed spaces, use NIOSH-approved respirator
Hand protection	Recommended for prolonged handling	Chemical-resistant gloves (nitrile or vinyl)
Eye/face protection	Not required under normal conditions of use	Safety glasses recommended if handling large quantities
Body protection	Not required under normal conditions of use	Standard work clothing is adequate

8.4 Environmental exposure controls

Prevent product from entering drains, sewers or waterways. No special environmental controls required under normal conditions of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Property	Value
Physical state	Solid
Appearance	Flexible plastic screen, available in multiple colors
Odor	Characteristic fragrance
Odor threshold	Not determined
pH	Not applicable
Melting point / Freezing point	Not determined
Boiling point / Boiling range	Not applicable
Flash point	>93.3°C (>200°F)
Evaporation rate	Not applicable
Flammability (solid)	Not classified as flammable under OSHA HazCom 2012

Upper/lower flammability limits	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
Relative density	Not determined
Solubility in water	Insoluble
Partition coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not applicable

9.2 Other information

This product is a finished solid article. Physical and chemical properties refer to the article as a whole. VOC content: Not determined.

SECTION 10: STABILITY AND REACTIVITY

Parameter	Assessment
10.1 Reactivity	No hazardous reactivity expected under normal conditions of storage, handling and use.
10.2 Chemical stability	Stable under recommended storage conditions as specified in Section 7.
10.3 Possibility of hazardous reactions	No hazardous reactions expected under normal conditions of use. Hazardous polymerization will not occur.
10.4 Conditions to avoid	Excessive heat (above 35°C for prolonged periods), direct sunlight, strong oxidizing agents.
10.5 Incompatible materials	Strong acids, strong bases, strong oxidizing agents.
10.6 Hazardous decomposition products	Under normal conditions of use, no hazardous decomposition products are expected. Under fire conditions: carbon monoxide (CO), carbon dioxide (CO ₂) and other organic compounds. See Section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Hazard Category	Assessment
Acute toxicity — oral	Not classified. Product is a solid article not intended for ingestion.
Acute toxicity — dermal	Not classified.
Acute toxicity — inhalation	Not classified. Product is a solid article — airborne exposure not expected under normal conditions of use.
Skin corrosion/irritation	Not classified. No components present at or above classification thresholds.
Serious eye damage/irritation	Not classified. No components present at or above classification thresholds.
Respiratory sensitization	Not classified.

Skin sensitization	CATEGORY 1 — H317. May cause an allergic skin reaction. Attributable to Ethyl 2,3-epoxy-3-phenylbutyrate (CAS 77-83-8) at 0.125–<0.5% (w/w), above the 0.1% GHS classification threshold for skin sensitizers.
Germ cell mutagenicity	Not classified. No components present at or above classification thresholds.
Carcinogenicity	Not classified. No components present at or above classification thresholds under OSHA, NTP or IARC classifications.
Reproductive toxicity	Not classified. No components present at or above classification thresholds.
STOT — single exposure	Not classified.
STOT — repeated exposure	Not classified.
Aspiration hazard	Not applicable. Product is a solid article.

11.2 Toxicological data for declared components

Component	CAS No.	LD50 oral	LD50 dermal	LC50 inhalation
Benzaldehyde	100-52-7	1,100 mg/kg (rat)	>5,000 mg/kg	Not determined
Ethyl 2,3-epoxy-3-phenylbutyrate	77-83-8	Not determined	Not determined	Not determined

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

This product is a finished solid article. Under normal conditions of use, it is not expected to present ecological hazards. No components are present at concentrations that would classify this product as environmentally hazardous under OSHA HazCom 2012.

Component	CAS No.	Aquatic toxicity data
Benzaldehyde	100-52-7	LC50 (fish, 96h): 13.8 mg/L — not present at ecotoxicologically relevant concentrations in finished product
Ethyl 2,3-epoxy-3-phenylbutyrate	77-83-8	LC50 (fish, 96h): 4.2 mg/L — not present at ecotoxicologically relevant concentrations in finished product

12.2 Persistence and degradability

Component	Assessment
EVA plastic matrix	Enhanced anaerobic biodegradability in biologically active landfills, facilitated by the Eco-One EG35 biobased additive (<1% w/w). Independent laboratory testing by Instituto Politécnico Nacional (Mexico City, 2017) per ASTM D-5511-02 and ISO-15985:2014 demonstrated 93.31% biodegradation at 1,288 days under anaerobic conditions. Without the additive, no measurable biodegradation occurred under the same test conditions. Enhanced biodegradation is specific to biologically active landfills — not expected under standard storage or use conditions.
Fragrance components	Readily biodegradable based on available data for declared components.

12.3 Bioaccumulation potential

Fragrance components present in this product have low bioaccumulation potential (Log POW <3 for declared components).

12.4 Mobility in soil

This product is a solid article. Under normal conditions of use, mobility in soil is not expected. Prevent product from entering waterways or soil.

12.5 Other adverse effects

No other adverse ecological effects are known or expected under normal conditions of use.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product disposal:

This product is a finished solid plastic article. It is not classified as hazardous waste under the Resource Conservation and Recovery Act (RCRA) or applicable Federal, State, or local regulations.

This product contains Eco-One EG35 biobased additive, which has been independently validated to enhance anaerobic biodegradation in biologically active landfills per ASTM D-5511-02 and ISO-15985:2014. Disposal in municipal solid waste (landfill) is the recommended end-of-life option for this product.

Disposal must comply with applicable Federal, State, and local regulations. Regulations may vary by location — it is the responsibility of the waste generator to verify local requirements.

Packaging disposal:

Dispose of packaging materials in accordance with applicable Federal, State, and local regulations. Packaging that has not been in direct contact with the product may be disposed of as non-hazardous waste.

13.2 Additional considerations

Do not dispose of product in drains, sewers, or waterways. Do not incinerate unless in compliance with applicable regulations.

For Canada: Disposal must comply with applicable Federal and Provincial regulations under the Canadian Environmental Protection Act (CEPA) and applicable Provincial legislation.

SECTION 14: TRANSPORT INFORMATION

Parameter	Assessment
14.1 UN Number	Not regulated — not applicable.
14.2 UN Proper Shipping Name	Not regulated — not applicable.
14.3 Transport hazard class(es)	Not regulated — not applicable.
14.4 Packing group	Not regulated — not applicable.
14.5 Environmental hazards	Not classified as environmentally hazardous for transport purposes.
14.6 Special precautions	No special transport precautions required.
14.7 Transport in bulk	Not applicable — product is not transported in bulk.

Applicable transport regulations:

Regulation	Status
USA — DOT 49 CFR (Hazardous Materials Regulations)	Not regulated
Canada — TDG (Transportation of Dangerous Goods)	Not regulated
International maritime — IMDG	Not regulated
International air — IATA/ICAO	Not regulated

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific to the product

UNITED STATES

Regulation	Status
OSHA Hazard Communication Standard	This Safety Data Sheet has been prepared in compliance with OSHA Hazard Communication Standard 29 CFR 1910.1200 and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Revision 3.
Toxic Substances Control Act (TSCA)	All components of this product are listed on the TSCA Chemical Substance Inventory or are exempt from listing requirements.
SARA Title III — Sections 311/312	Skin Sensitizer — Yes. All other hazard categories — No.
SARA Title III — Section 313	No components are present at or above reportable thresholds under Section 313.
CERCLA	No components are listed as CERCLA hazardous substances at concentrations that trigger reporting requirements.
California Proposition 65	This product contains no substances known to the State of California to cause cancer, birth defects, or other reproductive harm at levels requiring a warning under Proposition 65.
EPA — RCRA	This product is not classified as hazardous waste under RCRA when disposed of as directed in Section 13.

CANADA — WHMIS 2015

Regulation	Status
WHMIS 2015 Classification	This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) under WHMIS 2015. Skin Sensitization — Category 1 (H317).
Domestic Substances List (DSL)	All components of this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.
Canadian Environmental Protection Act (CEPA)	No components are identified as toxic under Schedule 1 of CEPA at the concentrations present in this product.

15.2 Chemical safety assessment

No chemical safety assessment has been conducted for this product. This is not required under OSHA HazCom 2012 or WHMIS 2015.

SECTION 16: OTHER INFORMATION

16.1 Issue date and revision history

Field	Information
Issue date	April 2025
Version	3
Revision	1
Replaces	Version 2, Revision 3 — March 2024 (XHD-1P-202403)
Prepared by	Ekcoss Innovations

16.2 Full text of hazard statements

Code	Full text
H317	May cause an allergic skin reaction.

16.3 Full text of precautionary statements

Code	Full text
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container in accordance with applicable Federal, State and local laws and regulations.

16.4 Abbreviations and acronyms

Abbreviation	Definition
ACGIH	American Conference of Governmental Industrial Hygienists
ASTM	American Society for Testing and Materials
CASRN	Chemical Abstracts Service Registry Number
CEPA	Canadian Environmental Protection Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
DOT	U.S. Department of Transportation
DSL	Domestic Substances List (Canada)
EPA	U.S. Environmental Protection Agency
EVA	Ethylenevinylacetate copolymer

GHS	Globally Harmonized System of Classification and Labelling of Chemicals
HazCom	Hazard Communication Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PPE	Personal Protective Equipment
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
TDG	Transportation of Dangerous Goods (Canada)
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
WHMIS	Workplace Hazardous Materials Information System (Canada)

16.5 Disclaimer

The information contained in this Safety Data Sheet is based on data considered accurate as of the issue date. It is provided in good faith and is believed to be correct. However, no warranty, express or implied, is given as to its accuracy or completeness. This SDS is intended only as a guide for safe handling, use, storage, and disposal of the product. Ekcos Innovations shall not be liable for any damages resulting from the use of or reliance upon this information. Users are responsible for determining the suitability of this information for their specific applications and for complying with all applicable laws and regulations.