



SAFETY DATA SHEET

1. Identification

Product Identifier **Apple Blossom Deodorizer**

Other means of identification 12-BPNP, 12-CCLE, 112-CLL, 12-CJRL

Product code

Recommended use Concentrated water-soluble deodorizer.

Recommended restrictions None.

Manufacturer information

Company name **Chemical Universe, Inc.**

Address 1841 Vernon St.
North Kansas City, MO 64116

Telephone (816) 471-3602

FAX (816) 474-3302

Emergency phone number PERS 24-hour Emergency (800) 633-8253

2. Hazard(s) Identification

Physical hazards Not classified.

Health hazards Skin Irritant Category 2
Eye Irritant Category 2B

Environmental hazards Not classified.

OSHA defined hazards Not listed.

Label elements None.

Signal word **WARNING**

Hazard statement Causes skin irritation.
Causes eye irritation.

Precautionary statement

Prevention Wash hands and exposed skin thoroughly after handling.

Response If skin irritation occurs: Get medical advice/attention. May cause allergic skin reaction

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage No prescriptive instruction

Disposal No prescriptive instruction

Hazard(s) not otherwise classified (HNOC) None.

Supplemental information None.

3. Composition/information on ingredients

Mixture Component(s)		
Chemical name	CAS number	%
Alcohol C12-C16, ethoxylated	68551-12-2	5-10
2-propanol	67-63-0	1-3
Fragrance	Proprietary	1-4
Other components below reportable levels		80-95

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.



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Eye contact	Rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention. Eye wash stations should be located in work area.
Ingestion	Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting. If vomiting occurs keep head low to prevent stomach contents entering the lungs.
Most important symptoms/effects, acute and delayed	Dermatitis. Rash. May cause an allergic skin reaction. Pain, swelling excessive tearing and redness of the eye.
Indication of immediate medical attention and special treatment needed	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted. A very small-volume component of this product can release flammable vapor if confined and heated.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate protective equipment and clothing during clean-up. Wear eye/face protection.
Methods and materials for containment and cleaning up	Caution – spillages may be slippery. Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Small spills: Wipe up with absorbent material (e.g. cloth, absorbent wipes). Clean surface thoroughly with detergent and water to remove residual contamination. Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Do not release into the open environment (see section 12). Avoid discharge into sewers, surface drainage paths and other areas not consistent with package labeling.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in original tightly-closed container. Do not store in extreme temperature conditions.

8. Exposure controls/personal protection

Occupational exposure limits



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US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
2-propanol	STEL	500 ppm
	TWA	400 ppm

US ACGIH Threshold Limit Values

Components	Type	Value
2-propanol	STEL	400 ppm
	TWA	200 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Species	Sampling Time
2-propanol	40 mg/L	Acetone	Urine	End of shift at end of workweek.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Suggested protective materials: Nitrile and PVC rubber.

Other

None.

Respiratory protection

In case of insufficient ventilation, wear suitable NIOSH-approved respiratory protection

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical State	Liquid.
Color	Green
Odor	Floral
Odor threshold	Not available.
pH	6-8
Melting/freezing point	32°F (0°C)
Initial boiling point and boiling range	>200°F (93°C)
Flash point	>162°F (>67°C) - Literature
Evaporation rate	Not available.
Flammability	Not available.
Flammability Limits	
Upper	Not available.
Lower	Not available.



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Vapor pressure Not available.
 Vapor density Not available.
 Specific gravity (water=1) 0.99
 Solubility in water Soluble.
 Partition coefficient (n-octanol/water) Not available.
 Auto-ignition temperature Not available.
 Decomposition temperature Not available.
 Viscosity Not available.

10. Stability and reactivity

Reactivity This product is stable and non-reactive under normal conditions of use.
 Chemical stability Material is stable under normal conditions.
 Possibility of hazardous reactions Hazardous polymerization does not occur.
 Conditions to avoid Heat, flames can cause product to decompose.
 Incompatible materials Strong acids, strong bases, strong oxidizing agents.
 Hazardous decomposition products Aldehydes, ketones, organic acids.

11. Toxicological information

Information on likely routes of exposure

Ingestion Expected to be a low ingestion hazard.
 Inhalation Expected to be a low inhalation hazard.
 Skin contact Repeated and/or prolonged skin contact may cause slight irritation. May cause allergic skin reaction
 Eye contact Causes eye irritation. Prolonged eye contact may cause severe irritation.
 Symptoms related to the physical, chemical and toxicological characteristics Dermatitis. Rash. May cause an allergic skin reaction. Pain, swelling excessive tearing and redness of the eye.
 Acute toxicity Not established.

Product Apple Blossom Deodorizer (CAS mixture)		
Exposure Classification	Route and Species	LD ₅₀ /LC ₅₀
Acute	Oral, rat	13,700 mg/kg (Estimated)
Acute	Dermal, rabbit	>21,000 mg/kg (Estimated-literature)
Acute	Inhalation, rat	>15,000 mg/m ³ (Estimated-literature)

*Estimates for product may be based on additional component data not shown

Skin corrosion/irritation Causes mild skin irritation.
 Serious eye damage/ irritation Causes eye irritation.
 Respiratory sensitization Not classified.
 Skin sensitization Not classified.
 Germ cell mutagenicity Not classified.
 Carcinogenicity Not considered a carcinogen.
 (Ethylene oxide process contaminant - <0.0001%) IARC Monographs, Overall Evaluation of Carcinogenicity 1 Carcinogenic to humans
 OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not Listed.
 Reproductive toxicity Not classified.
 Specific target organ toxicity – single exposure Not classified.
 Specific target organ toxicity – repeated exposure Not classified.



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Aspiration hazard

Not considered an aspiration hazard.

12. Ecological information

Ecotoxicity		
Product Apple Blossom Deodorizer (CAS mixture)		
Aquatic Receptor	Species	Test Thresholds
Crustacea	Daphnia magna (water flea)	EC ₅₀ (48-hr): <11.6 mg/L (estimated)
Fish	Fathead minnow (<i>Pimephales promelas</i>)	LC ₅₀ (96-hr): <29 mg/L (estimated)
Algae	alga <i>Scenedesmus</i> sp.,	ErC ₅₀ (72-hr) >1,200 mg/l (Literature)

*Estimates for product may be based on additional component data not shown

Persistence and degradability

Alcohol ethoxylates are considered readily biodegradable.

Bio=accumulative potential

No data available.

Mobility in soil

Not available. Chemicals of these classes are highly water soluble and will partition readily to water and air (2-propanol) and weakly to particles in low-clay soil matrices. They are expected to exhibit moderate to high mobility in saturated and semi-saturated soils

Other adverse effects

No other adverse environmental effects known (*i.e. ozone depleting substance, tropospheric ozone precursor, greenhouse gas emission, endocrine disruptor or other deleterious environmental effect*)

13. Disposal considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Do not release to the environment.

Local disposal regulations

Dispose in accordance with all applicable regulations. As packaged, this product is not believed to meet criteria defining RCRA hazardous wastes when disposed. (40 CFR Part 261, Subpart C). Before selecting disposal method, ensure that the waste materials have been properly assessed and, as necessary, tested to confirm regulatory status.

Waste from residues/unused product

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT Not regulated as dangerous goods.

15. Regulatory information

US federal regulations

SARA 302 Extremely hazardous substance Not listed.

SARA 304 Emergency release notification Not listed.

SARA 311/312 Hazard Categories

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 313 (TRI reporting) Not listed.

California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986

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This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (1/2019)

16. Other information, including date of preparation or last revision

Issue date 2/2/2015
 Revision date 9/24/2021
 Version # 3
 HMIS® ratings Health: 1
 Flammability: 1
 Physical hazard: 0

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	

NFPA ratings Health: 1
 Flammability: 1
 Instability: 0



Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related 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 by the text.

Revision information General format update; Refine composition table, amend physical data; Update toxicology thresholds and environmental fate information; Text clarification amendments Sections 5,6,8,9 and 12. PPE recommendation updated; California Proposition 65 notice; HMIS and NFPA pictograms added. Change HMIS/NFPA flammable rating from 0 to 1 (2-propanol formulary) Addition of IARC carcinogenicity valuation for ethylene oxide (ethoxylate contaminant).