

SAFETY DATA SHEET

Issuing Date: 13-Jun-2017

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Version 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name UA2621 Art Sweet Cereal FL

1.2 Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against

Recommended use No information available

Uses advised against No information available

1.3 Details Of The Supplier Of The Safety Data Sheet

Ungerer and Company
4 Bridgewater Lane
Lincoln Park, NJ 07035-1491
1-973-628-0600

For Further Information, Please Contact: Michael Licciardello

E-mail address mlicciardello@UngererAndCompany.com

1.4 Emergency Telephone Number

CHEMTREC: 1-800-424-9300 For US/ 703-527-3887 Outside US / CN#23087

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	Category 4
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GHS Label elements, including precautionary statements

Warning

Hazard Statements

Combustible liquid

Appearance Clear Colorless

Physical State @20°C Liquid

Odor Characteristic

Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Wear protective gloves/protective clothing/eye protection/face protection
Ground/bond container and receiving equipment
Use explosion-proof electrical/ ventilating / lighting/ ... / equipment
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical name	CAS-No	Weight %	Classification (Reg. 1272/2008)	FEMA Numbers
Ethyl alcohol	64-17-5	1-<5%	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319)	2419

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice

If symptoms persist, call a physician.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact

Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Inhalation

Immediate medical attention is not required. If symptoms persist, call a physician. Move

Ingestion	to fresh air in case of accidental inhalation of vapors or decomposition products.
Protection of first-aiders	Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Use personal protective equipment.
Indication of immediate medical attention and special treatment needed, if necessary	
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	
Use:. Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol-resistant foam.	
Flammable Properties	Combustible liquid
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical	
Keep product and empty container away from heat and sources of ignition. Risk of ignition.	
Explosion Data	
Sensitivity to Mechanical Impact	none.
Sensitivity to Static Discharge	Yes.
Protective equipment and precautions for firefighters	
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.	

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	
Personal precautions	Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.
Environmental precautions	
Environmental precautions	Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods and materials for containment and cleaning up	
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling	
Advice on safe handling	Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Wear personal protective equipment. Do not breathe vapors or spray mist. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).
Conditions for safe storage, including any incompatibilities	
Technical measures/Storage conditions	Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.
Incompatible products	None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Control parameters</u>			
Exposure Guidelines			
Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³
<u>Exposure controls</u>			
Engineering Measures			
<u>Individual protection measures, such as personal protective equipment</u>		Showers	
		Eyewash stations	
		Ventilation systems.	
		Tightly fitting safety goggles.	
Skin and body protection		Chemical resistant apron.	
		If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.	
Respiratory protection			
Hygiene measures			

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information On Basic Physical And Chemical Properties

Physical State @20°C	Liquid
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Appearance	Clear Colorless
Odor	Characteristic
Odor Threshold	No information available
pH	No information available
Melting point/range	No information available
Freezing Point	No information available
Initial Boiling Point	No information available
Boiling point/boiling range	410 °F / 210 °C
Flash point	147 °F / 64 °C
Evaporation Rate VALUE	No information available
Flammable Properties	Combustible liquid
Flammability Limits in Air	No information available
Explosive properties	No information available
Oxidizing Properties	No information available
Vapor Pressure @20°C (mmHg)	No information available
Vapor Density	No information available
Specific Gravity	1.0360
Water Solubility	Soluble in Water
solubility	No information available
Partition coefficient:	No information available
Autoignition temperature	No information available
Decomposition Temperature °C	No information available
Viscosity, dynamic	No information available
Molecular Weight	No information available
VOC Content	No information available

10. STABILITY AND REACTIVITY

Reactivity

Exothermic reaction

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Product does not present an acute toxicity hazard based on known information

Inhalation

There is no data available for this product.

Eye contact

There is no data available for this product.

Skin contact

There is no data available for this product.

Ingestion

There is no data available for this product.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl alcohol 64-17-5	7060 mg/kg (Rat)	-	124.7 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms

No information available.

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

Sensitization

No information available.

mutagenic effects

No information available.

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Reproductive Toxicity

No information available.

Specific target organ systemic toxicity (single exposure)

No information available.

Specific target organ systemic toxicity (repeated exposure)

No information available.

Chronic toxicity

May cause adverse liver effects. Contains a known or suspected reproductive toxin.

Target Organ Effects

Blood, Reproductive system, Central nervous system (CNS), Eyes, Respiratory system, Liver, Skin.

Aspiration hazard

No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	26612 mg/kg
ATEmix (dermal)	31206 mg/kg
ATEmix (inhalation-dust/mist)	2206480.7 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

69.994% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Ethyl alcohol 64-17-5	-	LC50: 12.0 - 16.0 mL/L 96h static (Oncorhynchus mykiss) LC50: 100 mg/L 96h static (Pimephales promelas) LC50: 13400 - 15100 mg/L 96h flow-through (Pimephales promelas)	LC50: 9268 - 14221 mg/L 48h (Daphnia magna) EC50: 10800 mg/L 24h (Daphnia magna) EC50: 2 mg/L 48h Static (Daphnia magna)

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical name	log Pow
Ethyl alcohol 64-17-5	-0.32

Other adverse effectsNo information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal MethodsIt must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

Contaminated packagingDo not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status
Ethyl alcohol 64-17-5	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT

BULK PACKAGING

NA Number1993

Proper shipping nameCombustible liquid, n.o.s. (Ethyl alcohol)

Hazard Classification3

Packing GroupIII

Reportable Quantity (RQ)Please Refer to Appendix A to 49CFR 172.101 - List of Hazardous Substances and Reportable Quantities

DOT

NON BULK PACKAGING

NA Number1993

Proper shipping nameCombustible liquid, n.o.s. (Ethyl alcohol)

Hazard Classification3

Packing GroupIII

Reportable Quantity (RQ)Please Refer to Appendix A to 49CFR 172.101 - List of Hazardous Substances and Reportable Quantities

IMDG/IMO

Reportable Quantity (RQ)Not regulated
Please Refer to Appendix A to 49CFR 172.101 - List of Hazardous Substances and Reportable Quantities

MEX (SCT)

Reportable Quantity (RQ)Not regulated
Please Refer to Appendix A to 49CFR 172.101 - List of Hazardous Substances and Reportable Quantities

ICAO/IATA

Reportable Quantity (RQ)Not regulated
Please Refer to Appendix A to 49CFR 172.101 - List of Hazardous Substances and Reportable Quantities

TDG

Reportable Quantity (RQ)Not regulated
Please Refer to Appendix A to 49CFR 172.101 - List of Hazardous Substances and Reportable Quantities

15. REGULATORY INFORMATION

International Inventories

TSCAComplies

DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	no
Fire Hazard	Yes
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
1,2-Propylene glycol 57-55-6	X	-	X
Ethyl alcohol 64-17-5	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	Health Hazard 2	Flammability 2	Instability 0	Physical and chemical hazards -
HMIS	Health Hazard 2	Flammability 2	Physical Hazard 0	Personal protection X

Revision Date: 13-Jun-2017

Revision Note

No information available

Disclaimer

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 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.

This material has not been evaluated for safe use in e-cigarettes, therefore Ungerer & Company's position is that it is not intended to be used in this particular application

End of Safety Data Sheet