



AltroClean 44 Plus

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard
Issue date: 11/30/2023 Revision date: 11/30/2023 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : AltroClean 44 Plus

1.2. Recommended use and restrictions on use

Recommended use : Floor cleaning products, Consumer uses
Restrictions on use : None

1.3. Supplier

Altro USA Inc.
80 Industrial Way
Suite 1
Wilmington, VT, 49418
T 800-377-5597
sds@altro.com - www.altro.com/us

1.4. Emergency telephone number

Emergency number : 1-800-377-5597 Monday - Friday 9am-5pm Eastern Time

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

H315 - Skin corrosion/irritation Category 2 Causes skin irritation
H318 - Serious eye damage Category 1 Causes serious eye damage

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : H315 - Causes skin irritation
H318 - Causes serious eye damage
Precautionary statements (GHS US) : P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves, eye protection.
P302+P352 - If on skin: Wash with plenty of water.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P305+P351+P339 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.

2.3. Other hazards which do not result in classification

No additional information available

AltroClean 44 Plus

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Alcohols, C6-12, ethoxylated	CAS-No.: 68439-45-2	1 – 5
Disodium metasilicate	CAS-No.: 6834-92-0	1 – 5
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS-No.: 68891-38-3	1 – 5

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms occur.
First-aid measures after skin contact	: Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: Causes serious eye damage. Causes skin irritation. May cause minor irritation to the respiratory tract and to other mucous membranes. May cause irritation to the digestive tract.
Inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin	: Causes skin irritation.
Eyes	: Serious damage to eyes.
Ingestion	: May cause irritation to the digestive tract.
Chronic symptoms	: None known.

4.3. Immediate medical attention and special treatment, if necessary

Immediate medical attention is required for eye contact.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: None.

5.2. Specific hazards arising from the chemical

Fire hazard	: This product is not classified as flammable or combustible.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon oxides (CO, CO ₂).

AltroClean 44 Plus

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Cool down the containers exposed to heat with a water spray.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Ventilate area. Wear suitable protective clothing. Avoid contact with eyes, skin and clothing. Do not touch or walk on the spilled product.

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. Avoid breathing mist, spray, vapors. Avoid contact with skin and eyes.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage.
Methods for cleaning up : Ventilate area. Use personal protective equipment as required. Take up liquid spill into absorbent material.
Other information : Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure adequate ventilation. Avoid breathing mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Wash hands with water and soap. Handle in accordance with good industrial hygiene and safety procedures.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a cool, well-ventilated place. Keep only in original container.
Incompatible materials : Strong oxidizers. Strong acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

AltroClean 44 Plus

No additional information available

AltroClean 44 Plus

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Alcohols, C6-12, ethoxylated (68439-45-2)

No additional information available

Disodium metasilicate (6834-92-0)

No additional information available

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear protective gloves.

Eye protection:

Splash goggles

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

No respiratory protection needed under normal use conditions. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.



Thermal hazard protection:

Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid. Green. Clear.
Color	: Green
Odor	: citrus-like
Odor threshold	: No data available
pH	: 13.7 Concentrated solution
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 100 °C
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.

AltroClean 44 Plus

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: ≈ 1.05
Solubility	: Miscible with water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: None.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Reacts with (strong) oxidizers. Strong acids.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Keep away from oxidizers, strong acids and strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

AltroClean 44 Plus

ATE US (oral)	29.239 mg/kg
---------------	--------------

Alcohols, C6-12, ethoxylated (68439-45-2)

ATE US (oral)	500 mg/kg body weight
---------------	-----------------------

AltroClean 44 Plus

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Disodium metasilicate (6834-92-0)	
LD50 oral rat	1152 – 1349 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 2.06 mg/l/4h

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	
LD50 oral rat	2870 mg/kg
LD50 dermal rat	> 2000 mg/kg (No mortality)

Skin corrosion/irritation	: Causes skin irritation. (On basis of test data) pH: 13.7 Concentrated solution
Serious eye damage/irritation	: Causes serious eye damage. pH: 13.7 Concentrated solution
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified. This product does not contain any component that is considered a carcinogen by IARC, ACGIH, OSHA or NTP.
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: Causes serious eye damage. Causes skin irritation. May cause minor irritation to the respiratory tract and to other mucous membranes. May cause irritation to the digestive tract.
Inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin	: Causes skin irritation.
Eyes	: Serious damage to eyes.
Ingestion	: May cause irritation to the digestive tract.
Chronic symptoms	: None known.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
-------------------	--

Disodium metasilicate (6834-92-0)	
LC50 - Fish [1]	210 mg/l Brachydanio rerio (zebra-fish)
EC50 - Crustacea [1]	1700 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	207 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	> 345.4 mg/l Scenedesmus subspicatus

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	
LC50 - Fish [1]	≈ 7.1 mg/l Danio rerio (Zebrafish)
EC50 - Crustacea [1]	≈ 7.4 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	≈ 27.7 mg/l Desmodesmus subspicatus
NOEC (chronic)	0.27 mg/l Daphnia magna (Water flea)
NOEC chronic fish	0.14 mg/l Oncorhynchus mykiss (Rainbow trout)

AltroClean 44 Plus

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

12.2. Persistence and degradability

Disodium metasilicate (6834-92-0)

Persistence and degradability	Biodegradation is not applicable to inorganic compounds.
-------------------------------	--

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

DOT
Not regulated

TDG
Not regulated

IMDG
Not regulated

IATA
Not regulated

AltroClean 44 Plus

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

AltroClean 44 Plus

SARA Section 311/312 Hazard Classes

Refer to Section 2 for OSHA Hazard Classification.

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Alcohols, C6-12, ethoxylated (68439-45-2)

Listed on the Canadian DSL (Domestic Substances List)

Disodium metasilicate (6834-92-0)

Listed on the Canadian DSL (Domestic Substances List)

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

AltroClean 44 Plus

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Listed on the Canadian DSL (Domestic Substances List)

Alcohols, C6-12, ethoxylated (68439-45-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Disodium metasilicate (6834-92-0)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

AltroClean 44 Plus

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

SECTION 16: Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Revision date : 11/30/2023

Indication of changes:
new version.

Safety Data Sheet (SDS), USA

Original Supplier Version 6.1 11/01/2019

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.