



Issue date 20-May-2019

Safety Data Sheet

Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product name CHAMPION SPRAYON GLASS CLEANER WITH AMMONIA
Chemical name 7-4452-1

Other means of identification

Product code FG 438-5151-7
Synonyms Glass Cleaner

Recommended use of the chemical and restrictions on use

Recommended Use Glass surfaces.
Uses advised against DO NOT USE ON FLOORS

Details of the supplier of the safety data sheet

| | |
|-------------------------|-----------------------------|
| Supplier Address | Manufacturer Address |
| Chase Products Co. | Chase Products Co. |
| 2727 Gardner Road | 2727 Gardner Road |
| Broadview, IL 60155 | Broadview, IL 60155 |
| 708-865-1000 | 708-865-1000 |

Emergency Telephone Number

Company Phone Number 708-865-1000
24 Hour Emergency Phone Number 1-800-255-3924
Emergency telephone ChemTel 1-800-255-3924

2. Hazards Identification

Classification


| | |
|-------------------------------------|---------------|
| Acute toxicity - Inhalation (Gases) | Category 4 |
| Gases Under Pressure | liquefied gas |

Label Elements

EMERGENCY OVERVIEW

Warning

hazard statements
HARMFUL IF INHALED
Contains gas under pressure; may explode if heated



Appearance Clear liquid that will be aerosolized. **Physical State** Aerosol **Odor** Perfumed.

Precautionary Statements - Prevention
Avoid breathing fumes, mist, vapors or spray.

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Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell

Precautionary Statements - Storage

Protect from sunlight. Store in a well-ventilated place

Hazards not otherwise classified (HNOC)

Other Information

- Causes mild skin irritation
 - Harmful to aquatic life
- No information available

3. Composition/information on Ingredients

| | |
|------------------------|--------------------------------------|
| Common Name | Glass Cleaner. |
| Synonyms | Glass Cleaner. |
| Chemical Family | MIXTURES. |
| Formula | 7-4452-1 |
| Chemical nature | Aqueous solution of organic solvent. |

| Chemical name | CAS No | weight-% | Trade secret |
|--------------------|-----------|----------|--------------|
| Water | 7732-18-5 | 90-95 | * |
| 2-Butoxyethanol | 111-76-2 | 1-5 | * |
| N-Butane | 106-97-8 | 1-5 | * |
| Ammonium hydroxide | 1336-21-6 | <1 | * |

Chemical Additions Hazardous components according to OSHA, are listed when present at 1% or greater. Carcinogenes are listed when present at 0.1% or greater.

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

FIRST AID MEASURES

| | |
|---------------------|---|
| Eye Contact | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| Skin contact | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. |
| Inhalation | If overcome by vapor, move person to fresh air. Restore respiration if necessary. Get medical attention if injury develops. |
| Ingestion | Ingestion from an aerosol product is unlikely to occur. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|--|
| Symptoms | Acute, Deliberate inhalation of concentrated vapor or mist may cause headaches. Prolonged and repeated contact with the eyes may cause mild irritation. Chronic: 2-butoxyethanol may cause hemolysis of the blood cells leading to possible liver and kidney damage. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

Note to physicians None needed.

5. Fire-fighting measures

Suitable extinguishing media

Dry chemical, CO2 or water spray.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

This product is under pressure. Water spray may be used to cool cans in the vicinity of fire or excessive heat to prevent the explosion of the cans.

Hazardous combustion products Thermal decomposition may release carbon monoxide and carbon dioxide.

Explosion data

Sensitivity to Mechanical Impact Contents under pressure, keep away from heat and open flame.

Sensitivity to Static Discharge Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

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 with adequate general or local exhaust ventilation.

For emergency responders Remove all sources of ignition.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

Methods for cleaning up Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling Do not deliberately inhale vapor or spray mist. Avoid getting spray into eyes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a cool, dry place away from heat and open flame. Keep out of reach of children.
AEROSOL STORAGE LEVEL I (NFPA-30B) .

Incompatible Materials Avoid heat, open flame and contact with strong oxidizers.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines See occupational exposure limits listed below.

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| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-----------------------------|---------------------------------|--|---|
| 2-Butoxyethanol 111-76-2 | TWA: 20 ppm | TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S* S* | IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³ |
| N-Butane 106-97-8 | STEL: 1000 ppm explosion hazard | (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m ³ | IDLH: 1600 ppm TWA: 800 ppm TWA: 1900 mg/m ³ |

Appropriate engineering controls

Engineering controls Use with adequate general or local exhaust ventilation.

Individual protection measures, such as personal protective equipment

- Eye/face Protection** Conventional eyeglasses to guard against splashing.
- Skin and Body Protection** Household type gloves, if desired.
- Respiratory protection** None required if used in a well-ventilated area .

General hygiene considerations Wash hands thoroughly after handling.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | | | |
|-------------------------------------|--|--------------------------|--------------------------|
| Physical State | Aerosol | Odor | Perfumed. |
| Appearance | Clear liquid that will be aerosolized. | Odor threshold | No information available |
| Color | clear | | |
| Property | Values | Remarks • Method | |
| pH | 10.3 +/- 0.5 | No information available | |
| Melting point/freezing point | Not applicable | No information available | |
| Boiling point/boiling range | Water 212 °F/100 °C | No information available | |
| Flash Point | Not Available. This is an aerosol product for which Flame Projection is 0 inches. Temperatures above 120 °F may cause cans to burst. | No information available | |
| Evaporation Rate | Faster than butyl acetate | No information available | |
| Flammability (solid, gas) | | No information available | |
| Flammability Limits in Air | | No information available | |
| Upper flammability limits | Not available | | |
| Lower Flammability Limit | Not available | | |
| Vapor pressure | | No information available | |
| Vapor Density | | No information available | |
| Relative Density | 0.99 - 1.1 concentrate | No information available | |
| Water solubility | | Soluble in water | |
| Solubility in other solvents | | No information available | |
| Partition coefficient | | No information available | |
| Autoignition Temperature | | No information available | |
| Decomposition temperature | | No information available | |
| Kinematic viscosity | | No information available | |
| Dynamic viscosity | | No information available | |
| Explosive properties | No information available | | |
| Oxidizing properties | No information available | | |
| Other Information | | | |
| Softening point | No information available | | |
| Molecular weight | No information available | | |

VOC content (%) 7.99%
 Density 8.25 - 9.16 lb/gal
 Bulk Density No information available

10. Stability and Reactivity

Reactivity
 Not applicable Not applicable

Chemical stability
 Stable.

Possibility of hazardous reactions
 Temperatures above 130 °F may cause cans to burst with force.

hazardous polymerization Hazardous polymerization does not occur.

Conditions to Avoid
 Temperatures above 122 °F (50 °C).

Incompatible Materials
 Avoid heat, open flame and contact with strong oxidizers.

Hazardous decomposition products
 Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

11. Toxicological Information

Information on likely routes of exposure

Product Information Primary routes of entry: Eye contact, skin contact, inhalation, ingestion (possible, but consider unlikely).

Inhalation Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

Eye Contact Can cause irritation after contact with eyes.

Skin contact May cause skin irritation after contact with skin. 2-Butoxyethanol penetrates skin readily. Frequent or wide spread contact may results on skin absorption of potentially harmful amounts.

Ingestion This is an aerosol product, ingestion is unlikely to occur. 2-Butoxyethanol may cause red blood cell hemolysis and possible liver and kidney damage.

| Chemical name | Oral LD50 | dermal LD50 | Inhalation LC50 |
|---------------------------------|---------------------|-----------------------|---|
| Water 7732-18-5 | > 90 mL/kg (Rat) | - | - |
| 2-Butoxyethanol 111-76-2 | = 470 mg/kg (Rat) | = 99 mg/kg (Rabbit) | = 450 ppm (Rat) 4 h = 486 ppm (Rat) 4 h |
| N-Butane 106-97-8 | - | - | = 658 g/m ³ (Rat) 4 h |
| Ammonium hydroxide 1336-21-6 | = 350 mg/kg (Rat) | - | - |

Information on toxicological effects

Symptoms Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

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

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Skin corrosion/irritation May cause skin irritation after contact with skin. 2-Butoxyethanol penetrates skin readily. Frequent or wide spread contact may results on skin absorption of potentially harmful amounts.

Serious eye damage/eye irritation Can cause irritation after contact with the eyes.

corrosivity Not applicable.

sensitization No a skin sensitizer.

Germ cell mutagenicity No information available.

Carcinogenicity Not known chronic effects based on available data. None of the ingredients present in excess of 0.1% are listed as carcinogenic by NTP, IARC or OSHA.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|-----------------------------|-------|---------|-----|------|
| 2-Butoxyethanol 111-76-2 | A3 | Group 3 | | |

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration Hazard Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

Numerical measures of toxicity - Product Information

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

ATEmix (oral) 9691 mg/kg
ATEmix (dermal) 22680 mg/kg
ATEmix (inhalation-gas) 14417 mg/l
ATEmix (inhalation-dust/mist) 30.9 mg/l
ATEmix (inhalation-vapor) 7089 mg/l

12. Ecological Information

ecotoxicity

6.1 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical name | Algae/aquatic plants | Fish | Toxicity to Microorganisms | Crustacea |
|---------------------------------|----------------------|---|----------------------------|---|
| 2-Butoxyethanol 111-76-2 | | 1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50 | | 1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 |
| Ammonium hydroxide 1336-21-6 | | 8.2: 96 h Pimephales promelas mg/L LC50 | | 0.66: 48 h water flea mg/L EC50 0.66: 48 h Daphnia pulex mg/L EC50 |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical name | Partition coefficient |
|-----------------------------|-----------------------|
| 2-Butoxyethanol 111-76-2 | 0.81 |
| N-Butane 106-97-8 | 2.89 |

Other adverse effects No information available

13. Disposal Considerations

Waste treatment methods

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Disposal of wastes Dispose of in accordance with federal, state and local regulations.

Contaminated packaging Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

| Chemical name | California Hazardous Waste Status |
|---------------------------------|-----------------------------------|
| Ammonium hydroxide 1336-21-6 | Toxic Corrosive |

14. Transport Information

DOT

UN/ID no Limited Quantity
Proper Shipping Name Consumer Commodity
Hazard Class ORM-D

IATA

UN/ID no UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1

IMDG

UN/ID no UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
Marine pollutant This product does not contain marine pollutants.

15. Regulatory information

International Inventories

TSCA All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

DSL All ingredients are listed or are excluded from listing on the DSL.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

This product contains the following toxic chemicals (above the de minimis level) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372. This information must be included in all SDSs that are copied and distributed for this material.

| Chemical name | CAS No | weight-% | SARA 313 - Threshold Values % |
|--------------------------------|-----------|----------|-------------------------------|
| 2-Butoxyethanol - 111-76-2 | 111-76-2 | 1-5 | 1.0 |
| Ammonium hydroxide - 1336-21-6 | 1336-21-6 | <1 | 1.0 |

SARA 311/312 Hazard Categories

Acute Health Hazard yes
Chronic Health Hazard No
Fire Hazard No

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Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Ammonium hydroxide 1336-21-6 | 1000 lb | | | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------------------------|--------------------------|----------------|---|
| Ammonium hydroxide 1336-21-6 | 1000 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ |

US 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 |
|---------------------------------|------------|---------------|--------------|
| Water 7732-18-5 | | | X |
| 2-Butoxyethanol 111-76-2 | X | X | X |
| N-Butane 106-97-8 | X | X | X |
| Ammonium hydroxide 1336-21-6 | X | X | X |

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other information

| | | | | |
|-------------|-------------------------|-----------------------|---------------------------|--|
| NFPA | Health Hazards 1 | Flammability 1 | Instability 1 | Physical and chemical properties Not applicable Personal Protection B - Eyes and hands protection |
| HMIS | Health Hazards 1 | Flammability 2 | Physical hazards 1 | |

Issue date 20-May-2019

Revision note

This SDS supersedes a previous SDS dated January 21, 2015.

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.

End of Safety Data Sheet