

1. Identification

Product identifier

Product name : Multicomp Anti-Static Spray

Recommended use of the chemical and restrictions on use

Application : Cleaning agent.

Uses advised against : No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Premier Farnell plc

150 Armley Road, Leeds, LS12 2QQ

+44 (0) 8701 202530

1.4. Emergency telephone number

+44 1865 40733

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards : Not Classified

Health hazards : Not Classified

Environmental hazards : Not Classified

Label elements

Hazard symbols : NC Not Classified

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

2-Butoxyethanol

1-5%

CAS number: 111-76-2

Classification

Acute Tox. 4 - H302

Acute Tox. 4 - H312

Acute Tox. 4 - H332

Skin Irrit. 2 - H315

Eye Irrit. 2A - H319

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

General information

: Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

Inhalation

: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.

Ingestion	: Rinse mouth thoroughly with water. Remove any dentures. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
Skin Contact	: Remove affected person from source of contamination. Rinse immediately with plenty of water.
Eye contact	: Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.
Protection of first aiders	: First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information	: See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	: Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	: Gastrointestinal symptoms, including upset stomach. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.
Skin contact	: Prolonged contact may cause dryness of the skin.
Eye contact	: May cause temporary eye irritation.
Indication of immediate medical attention and special treatment needed	
Notes for the doctor	: Treat symptomatically.
Specific treatments	: No special treatment required.

5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	: Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from the substance or mixture	
Specific hazards	: Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	: Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.
Advice for firefighters	
Protective actions during firefighting	: Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak.

Special protective equipment for firefighters : Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions : No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage.

Environmental precautions

Environmental precautions : Avoid discharge to the aquatic environment. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Methods for cleaning up : Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Reuse or recycle products wherever possible. Approach the spillage from upwind. Small Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. Large Spillages: If leakage cannot be stopped, evacuate area. Flush spilled material into an effluent treatment plant, or proceed as follows. Contain and absorb spillage with sand, earth or other non-combustible material. Place waste in labeled, sealed containers. Clean contaminated objects and areas thoroughly, observing environmental regulations. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Reference to other sections : For personal protection, see Section 8. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions : Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists.

Advice on general occupational hygiene

: Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

Conditions for safe storage, including any incompatibilities

Storage precautions : Store away from incompatible materials (see Section 10). Store in accordance with local regulations.

Storage class : Unspecified storage.

Specific end uses(s)

Specific end use(s) : The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

2-Butoxyethanol

Long-term exposure limit (8-hour TWA): OSHA 50 ppm 240 mg/m³
Sk

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 97 mg/m³
A3

Propan-2-ol

Long-term exposure limit (8-hour TWA): OSHA 400 ppm 980 mg/m³

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm 492 mg/m³

Short-term exposure limit (15-minute): ACGIH 400 ppm 984 mg/m³
A4

Pin-2(3)-ene

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 112 mg/m³
A4, DSens

Citral

Long-term exposure limit (8-hour TWA): ACGIH 5 ppm 32 mg/m³ inhalable fraction and vapor
A4, DSens, Sk

Pin-2(10)-ene

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 112 mg/m³
A4, DSens

2,6-Di-tert-butyl-p-cresol

Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³ inhalable fraction and vapor
A4

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

Sk = Danger of cutaneous absorption.

A4 = Not Classifiable as a Human Carcinogen.

DSens = Dermal sensitizer.

A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.

2-Butoxyethanol (CAS: 111-76-2)

Immediate danger to life and health : 700 ppm

Propan-2-ol (CAS: 67-63-0)

Immediate danger to life and health : 2000 ppm

Exposure controls

Protective equipment



Appropriate engineering controls

: Provide adequate ventilation. Good general ventilation should be adequate to control worker exposure to airborne contaminants.

Eye/face protection

: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with OSHA 1910.133. The following protection should be worn: Chemical splash goggles.

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Other skin and body protection

: Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hygiene measures

: Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

Respiratory protection

: Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

Environment exposure controls

: Not regarded as dangerous for the environment.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	: Liquid.
Colour	: Colorless.
Odor	: Lemon.
Odor threshold	: Not available.
pH	: pH (concentrated solution): 7-8
Melting point	: Not available.
Initial boiling point and range	: Not available.
Flash point	: >60°C Closed cup.

Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Upper/lower flammability or explosive limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: Not available.
Bulk density	: 0.995 kg/l
Solubility(ies)	: Not available.
Partition coefficient	: Not available.
Auto-ignition temperature	: Not available.
Decomposition Temperature	: Not available.
Viscosity	: Not available.
Explosive properties	: Not considered to be explosive.
Oxidizing properties	: Does not meet the criteria for classification as oxidizing.

10. Stability and reactivity

Reactivity	: See the other subsections of this section for further details.
Stability	: Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	: No potentially hazardous reactions known.
Conditions to avoid	: There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	: No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	: Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

11. Toxicological information

Information on toxicological effects	
Toxicological effects	: Not regarded as a health hazard under current legislation.
Acute toxicity - oral	
Notes (oral LD ₅₀)	: Based on available data the classification criteria are not met.
ATE oral (mg/kg)	: 71,265.31
Acute toxicity - dermal	
Notes (dermal LD ₅₀)	: Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	: 44,897.96
Acute toxicity - inhalation	
Notes (inhalation LC ₅₀)	: Based on available data the classification criteria are not met.
ATE inhalation (vapours mg/l)	: 448.98
Skin corrosion/irritation	
Animal data	: Based on available data the classification criteria are not met.
Serious eye damage/irritation	
Serious eye damage/irritation	: Based on available data the classification criteria are not met.

Respiratory sensitization	
Respiratory sensitization	: Based on available data the classification criteria are not met.
Skin sensitization	
Skin sensitization	: Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	: Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	: Based on available data the classification criteria are not met.
IARC carcinogenicity	: None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	: Based on available data the classification criteria are not met.
Reproductive toxicity - development	: Based on available data the classification criteria are not met.
Specific target organ toxicity - single exposure	
STOT - single exposure	: Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	: Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	: Based on available data the classification criteria are not met.
General information	: No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	: Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	: Gastrointestinal symptoms, including upset stomach. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.
Skin Contact	: Prolonged contact may cause dryness of the skin.
Eye contact	: May cause temporary eye irritation.
Route of exposure	: Ingestion Inhalation Skin and/or eye contact
Target Organs	: No specific target organs known.
12. Ecological information	
Ecotoxicity	: Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
Toxicity	: Based on available data the classification criteria are not met.
Persistence and degradability	
Persistence and degradability	: The degradability of the product is not known.
Bioaccumulative potential	
Bio-Accumulative Potential	: No data available on bioaccumulation.
Partition coefficient	: Not available.
Mobility in soil	
Mobility	: No data available.
Other adverse effects	
Other adverse effects	: None known.

13. Disposal considerations

Waste treatment methods

General information

: The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

Disposal methods

: Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.

14. Transport information

General

: The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

UN Number

UN No. (International)

: Not applicable.

UN proper shipping name

Proper shipping name (International)

: Not applicable.

Transport hazard class(es)

Transport Labels (International)

: No transport warning sign required.

DOT transport labels

No transport warning sign required.

Packing group

Packing group (International)

: Not applicable.

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

Not applicable.

DOT TIH Zone

: Not applicable.

Transport in bulk according to

Annex II of MARPOL 73/78 and the IBC Code

: Not applicable.

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The following ingredients are listed or exempt:

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

SARA 313 Emission Reporting

The following ingredients are listed or exempt:

CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories

None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins



WARNING

This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

The following ingredients are listed:

California Air Toxics "Hot Spots" (A-I)

The following ingredients are listed or exempt:

2-Butoxyethanol

Present.

Propan-2-ol

Present.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances

The following ingredients are listed or exempt:

2-Butoxyethanol

Present.

Propan-2-ol

Present.

2,6-Di-tert-butyl-p-cresol

Present.

Massachusetts “Right To Know” List

The following ingredients are listed or exempt:

2-Butoxyethanol

Present.

Propan-2-ol

Present.

Pin-2(3)-ene

Present.

2,6-Di-tert-butyl-p-cresol

Present.

Rhode Island “Right To Know” List

The following ingredients are listed or exempt:

2-Butoxyethanol

Present.

Propan-2-ol

Present.

2,6-Di-tert-butyl-p-cresol

Present.

Minnesota “Right To Know” List

The following ingredients are listed or exempt:

2-Butoxyethanol

Present.

Propan-2-ol

Present.

2,6-Di-tert-butyl-p-cresol

Present.

New Jersey “Right To Know” List

The following ingredients are listed or exempt:

2-Butoxyethanol

Present.

Propan-2-ol

Present.

Pin-2(3)-ene

Present.

2,6-Di-tert-butyl-p-cresol

Present.

Pennsylvania “Right To Know” List

The following ingredients are listed or exempt:

2-Butoxyethanol

Present.

Propan-2-ol

Present.

Pin-2(3)-ene

Present.

2,6-Di-tert-butyl-p-cresol

Present.

Inventories

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

16. Other information

Abbreviations and acronyms used in the safety data sheet

TDG: The transport of dangerous goods act

IATA: International air transport association.

ICAO: Technical instructions for the safe transport of dangerous goods by air.

IMDG: International maritime dangerous goods.

CAS: Chemical abstracts service.

ATE: Acute toxicity estimate.

LC₅₀: Lethal concentration to 50 % of a test population.

LD₅₀: Lethal dose to 50% of a test population (median lethal dose).

EC₅₀: 50% of maximal effective concentration.

PBT: Persistent, bioaccumulative and toxic substance.

vPvB: Very persistent and very bioaccumulative.

Training advice

Read and follow manufacturer's recommendations. Only trained personnel should use this material.

Issued by

Emily Kirk

Revision date

5/4/2020

Revision

1.4

SDS No.

3306

Hazard statements in full

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

Part Number

MP004282

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