PERFORMANCE LEATHERS & TEXTILES

SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name(s): Deep Cleaner for Leather

Product Code(s): DC-6, DC-332, DC-328, DC-305, DC-355, DC-375

1.2. Relevant identified uses of the substance or mixture and uses advised against

Uses: Surface cleaning for leather, textile and synthetics.

1.3. Details of the supplier of the safety data sheet

Company: Perrone Aerospace

Address: 182 A Riverside Drive; Fultonville, NY 12072; USA

Telephone Number: (518) 853-4300 Fax Number: (518) 853-4333

1.4. Emergency telephone number

Emergency Telephone Number: For Hazardous Materials [or Dangerous Goods] Incident (24 hours/day)

CHEMTREC 1-800-424-9300 (USA and Canada)
1-703-527-3887 (Outside USA and Canada – collect calls accepted)

SDS release and revision date

Date Issued: 3. October 2019 Date Revised: 27 January 2021

This Safety Data Sheet adheres to the standards and regulatory requirements of European Union according to Regulation (EC) No. 1907/2006 and as amended by Commission Regulation (EU) 2015/830.

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:
Eye Irritation (Category 2)

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Hazard pictograms

Signal word **WARNING**

Hazard statements Causes serious eye irritation

Precautionary Statements **Prevention:**

SECTION 2 HAZARDS IDENTIFICATION

Keep out of reach of children.
Wash hands/skin thoroughly after handling.
Wear eye protection/face protection.

Response:

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:

None.

Disposal:

None.

2.3. Other hazards None.

Product assessment Approximately < 1% of this mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Hazardous Component	CAS Number	EC Number	Concentration
Butoxy-2-propanol, 1-	5131-66-8	225-878-4	1,0 - 5,0%
	Classification: Eye Irrit. 2: H319; Skin Irrit. 2: H315		
Inorganic Salt	Proprietary	---	0,1 - 0,5%
	Classification: Acute Tox. 4: H302; Eye Dam. 1: H318		

Other components are either non-hazardous or do not significantly contribute to the hazards of the product.
Trade Secret Claims: Specific chemical identity and/or exact percentage (concentration) of components has been withheld as a trade secret.
For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4 FIRST AID MEASURES

4.1. Description of first aid measures

General advice: When symptoms persist or in all cases of doubt seek medical advice.

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation develops.

Skin contact: In case of contact, wash skin with soap and water while removing contaminated clothing and shoes. Get medical attention immediately if irritation develops and/or persists. Wash contaminated clothing before reuse.

Ingestion: If swallowed and feel unwell, call a physician or poison control center. DO NOT

SECTION 4 FIRST AID MEASURES

induce vomiting unless directed to do so by a physician or poison control center. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Inhalation: If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: Tissue inflammation, tissue ulceration.

4.3. Indication of any immediate medical attention and special treatment needed

Advice to physician: Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Treat surrounding material. Water spray, dry chemical, carbon dioxide, or foam is recommended. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

5.2. Special hazards arising from the substance or mixture

Specific hazards: This product is not flammable. This product may give rise to hazardous vapors in a fire. Vapors/fumes may be irritating, corrosive and/or toxic.

5.3. Advice for firefighters

Protective equipment and procedures for fire-fighters: Wear full protective clothing and self-contained breathing apparatus.

Additional advice: None.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear suitable protective clothing and equipment.

6.2. Environmental precautions

Environmental precautions: Prevent the material from entering drains or water courses. Do not discharge directly to a water source. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation.

6.3. Methods and material for containment and cleaning up

Spill procedures: Small spills: Wipe up spills with an absorbent towel/material and transfer into suitable containers for recovery or disposal. Finally flush area with water.

Large spills: Contain spilled material if possible. Pump or transfer into suitable and properly labeled containers.

6.4. Reference to other sections

For personal protection see Section 8. For disposal instructions see Section 13.

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

SECTION 7 HANDLING AND STORAGE

Handling: Wear appropriate personal protection (See Section 8) when handling this material. The work area should be equipped with a safety shower and eye wash station. If exposed to the liquid, avoid contact with skin and eyes. Wash thoroughly after handling. Avoid breathing vapours, mists or sprays. Use in a well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Storage: Keep container(s) tightly closed. Use and store this material at room temperature away from heat, direct sunlight and hot metal surfaces. Keep from freezing. Keep away from any incompatible materials (see Section 10).

7.3. Specific end use(s)

End uses: No information available.

Additional advice: Store in original container. Store as directed by the manufacturer.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure standards: Exposure limits are listed below, if they exist.

Butoxy-2-propanol, 1-:	Manufacturer: 50 ppm TWA.
Inorganic salt:	ACGIH TLV: 5 mg/m3 TWA. UK: 5 mg/m3 TWA.

8.2. Exposure controls

Engineering control measures: Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (local exhaust), and control of process conditions.

Respiratory protection: A NIOSH certified respirator (or equivalent) may be used under conditions where airborne concentrations are expected to exceed exposure limits.

Hand protection: The use of gloves impervious to the specific material handled is advised to prevent skin contact, possible irritation, and skin damage (see glove manufacturer literature for information on permeability). Use chemical resistant gloves classified under Standard EN374: Protective gloves against chemicals and micro-organisms.

Eye protection: Approved eye protection (safety glasses with side-shields or goggles) to safeguard against potential eye contact, irritation, or injury is recommended. Chemical goggles should be consistent with EN 166 or equivalent. Depending on conditions of use, a face shield may be necessary.

Body protection: Impervious clothing should be worn as needed to prevent skin contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Colourless
Odour:	Floral
Odour threshold:	Not available.
pH:	8.4

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting point/range (ºC):	N/A
Boiling point/range (ºC):	100,0ºC
Flash point (PMCC) (ºC):	Not flammable
Evaporation rate:	Not available.
Flammability (solid, gas);	Not applicable.
Flammability / explosivity limits in air (%):	Not applicable.
Vapour pressure:	18,5 mmHg (22ºC)
Vapour density (air = 1):	Not available.
Relative density:	1,012 (22ºC)
Solubility in water:	Completely soluble
Partition coefficient:	Not available.
Autoignition temperature (ºC):	Not applicable.
Decomposition temperature (ºC):	Not available.
Viscosity:	Not available.
Explosive properties:	None.
Oxidizing properties:	None.
Volatile organic content (VOC) (g/l):	< 15 g/l

9.2. Other information

None.

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: Product will not undergo additional reaction.

10.2. Chemical stability

Stability: Stable under normal storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reaction: Will not occur.

10.4. Conditions to avoid

Conditions to avoid: Contact with incompatible materials, excessive heat.

10.5. Incompatible materials

Incompatibilities: Strong oxidizers.

10.6. Hazardous decomposition products

Hazardous decomposition products: Oxides of carbon, oxides of phosphorous, oxides of nitrogen, metal oxides, aliphatic compounds, toxic by-products.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

If available, toxicity data for the product is given; otherwise component data is listed.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity: This product is not expected to be appreciably harmful.
(Butoxy-2-propanol, 1-) Oral LD50 (rat) 3300 mg/kg; Dermal LD50 (rat) > 2000 mg/kg; Inhalation LC0 (rat) > 651 ppm (4 hr – vapor – no mortality)
(Inorganic salt) Oral LD50 (rat) 300 - 2000 mg/kg; Dermal LD50 (rabbit) >2000 mg/kg

Skin Corrosion / Irritation: The product may be slightly irritating to the skin.
(Butoxy-2-propanol, 1-) Moderately irritating to skin (rabbit).

(Inorganic salt) Non-irritating to skin (rabbit).

Serious Eye Damage / Irritation: The product may be severely irritating to the eyes.
(Butoxy-2-propanol, 1-) Irritating to eye (rabbit).
(Inorganic salt) Caused serious and irreversible effects (rabbit).

Respiratory or Skin Sensitization: The product is not expected to be dermally sensitizing.
(Butoxy-2-propanol, 1-) Not dermally sensitizing (guinea pig).

(Inorganic salt) Not dermally sensitizing (mouse – surrogate compound).

Mutagenicity: This product is not expected to be mutagenic.
(Butoxy-2-propanol, 1-) Not mutagenic (Ames test, in vitro mammalian chromosome aberration test and mouse lymphoma cell assay).

(Inorganic salt) Not mutagenic (in vitro mammalian chromosome aberration test). Not mutagenic (in vitro mammalian cell micronucleus test, gene mutation in mammalian cells and rodent dominant lethal assay – surrogate compound).

Carcinogenicity: This product is not expected to be carcinogenic.
(Butoxy-2-propanol, 1-) In a 2-year inhalation study with rats exposed to vapor concentrations up to 3000 ppm, there was no evidence of carcinogenic activity (similar compound).

(Inorganic salt) No data.

Reproductive / Developmental Toxicity: This product is not expected to be reproductively or developmentally harmful.
(Butoxy-2-propanol, 1-) In dermally-exposed rabbits at up to 100 mg/kg during gestation, there were no significant maternal or fetal effects noted.

(Inorganic salt) In orally-dosed rats at up to 138 mg/kg during gestation, there was no significant maternal or fetal effects observed.

Chronic/Subchronic Toxicity: Specific Target Organ/Systemic Toxicity – Single Exposure:

(Butoxy-2-propanol, 1-) No data.
(Inorganic salt) No data.(Butoxy-2-propanol, 1-) In a 2-week inhalation study in rats at a concentration of 700 ppm, there were no significant effects observed. In a 13-week oral study in rats at up to 1000 mg/kg/day, the NOAEL was 350 mg/kg/day based on increased liver and kidney weights. In a 13-week dermal study in rats at up to 880 mg/kg/day, there were no significant adverse effects noted.

Chronic/Subchronic Toxicity: Specific Target Organ/Systemic Toxicity – Repeated Exposure:

(Inorganic salt) In a 90-day oral study in rats at up to 1000 mg/kg, the NOAEL

SECTION 11 TOXICOLOGICAL INFORMATION

was 500 mg/kg/day based on kidney effects.

Aspiration Hazard: This product does not pose an appreciable aspiration hazard.

Additional Information: None.

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

If available, ecological data for the product is given; otherwise component data is listed.

Acute ecotoxicity: This product is not expected to be appreciably harmful to aquatic species. (Butoxy-2-propanol, 1-) LC50 (guppy) 560 – 1000 mg/l/96 hr; EC50 (Daphnia magna) > 1000 mg/l/48 hr; EC50 (algae) > 1000 mg/l/96 hr.

(Inorganic salt) LC50 (Rainbow trout) > 100 mg/l/96 hr (surrogate compound); EC50 (Daphnia magna) > 100 mg/l/48 hr (surrogate compound); EC50 (algae) > 100 mg/l/72 hr (surrogate compound).

12.2. Persistence and degradability

Persistence/degradability: (Butoxy-2-propanol, 1-) Readily biodegradable (86 – 90% in 28 days). (Inorganic salt) Not applicable for inorganic compounds.

12.3. Bioaccumulative potential

Bioaccumulation: (Butoxy-2-propanol, 1-) An estimated BCF of 0.8 suggests the potential for bioconcentration in aquatic organisms is low.

(Inorganic salt) No data.

12.4. Mobility in soil

Mobility: (Butoxy-2-propanol, 1-) Expected to have very high mobility based upon an estimated Koc of 5.

(Inorganic salt) No data.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment: No information available.

12.6. Other adverse effects

Other adverse effects: None.

12.7. Additional information

Additional information: None.

SECTION 13 DISPOSAL CONSIDERATION

13.1. Waste treatment methods

Environmental precautions: Prevent the material from entering drains or water courses. Do not discharge directly to a water source. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation.

Product disposal: Dispose of in accordance with the European Directives on waste and hazardous waste.

Container disposal: Do not remove label until container is thoroughly cleaned. Empty

SECTION 13 DISPOSAL CONSIDERATION

containers may contain hazardous residues. This material and its container must be disposed of in a safe way.

SECTION 14 TRANSPORT INFORMATION

ADR:

14.1. UN number:	None.
14.2. UN proper shipping name :	Not regulated
14.3. Transport hazard class(es) :	None.
14.4. Packing group :	None.
14.5. Environmental hazards:	Not considered environmentally hazardous based on available data.
14.6. Special precautions for user:	No information available.

IATA:

14.1. UN number:	None.
14.2. UN proper shipping name :	Not regulated
14.3. Transport hazard class(es) :	None.
14.4. Packing group :	None.
14.5. Environmental hazards:	None.
14.6. Special precautions for user:	No information available.

IMDG:

14.1. UN number:	None.
14.2. UN proper shipping name :	Not regulated
14.3. Transport hazard class(es) :	None.
14.4. Packing group :	None.
14.5. Environmental hazards:	Not considered as marine pollutant based on available data.
14.6. Special precautions for user:	No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Consult IMO regulations before transporting bulk quantities by ocean.

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations.

SECTION 15 REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

REACh Regulation (EC) No 1907/2006 :	One or more components of this product may not have been pre-listed, registered or are exempt under REACh. Limited quantities may be permitted.
REACh Candidate List of Substances of Very High Concern for Authorisation:	This product does not contain a chemical at or above de minimis concentrations which requires reporting.
REACh, Annex XVII, Marketing and Use Restrictions	This product does not contain a chemical, which is listed in Annex XVII of the REACh regulation.

SECTION 15 REGULATORY INFORMATION

(Regulation 1907/2006/EC) :

REACh, Annex XIV, Authorisation (Regulation 1907/2006/EC):	This product does not contain a chemical, which is listed in Annex XIV of the REACh regulation.
US Toxic Substance Control Act:	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16 OTHER INFORMATION

Full text of H-Statements referred to under Section 3

H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation

Training advice for workers

Workers, who may be exposed to this product, are expected to read this Safety Data Sheet (SDS) in its entirety to ensure protection of human health and the environment. Training, if necessary, should be specified by the user's employer.

Classification according to Regulation (EC) No 1272/2008

The classification of this product includes the relevant available information about the mixture or the individual substances, of which the product consists.
The evaluation of the available information within the scope of classification refers to the forms and aggregate states in which the mixture has been placed on the market and will most likely be used.

Document dates and revision history

SDS Date Issued: 27 January 2021

SDS Current Version: 2.0 2021 reformulation Version Date: 27 January 2021

SDS Revision History: v1.0 Initial version.

Abbreviations:

GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
CAS#:	Chemical Abstract Services Number
ACGIH:	American Conference of Governmental Industrial Hygienists
OSHA:	Occupational Safety and Health Administration
NFPA:	National Fire Protection Association
DOT:	US Department of Transportation
RCRA:	US Resource Conservation and Recovery Act
TLV:	Threshold Limit Value
TWA:	Time-Weighted Average
PEL:	Permissible Exposure Limit
STEL:	Short Term Exposure Limit
WEEL:	Workplace Environmental Exposure Levels
AIHA:	American Industrial Hygiene Association
NTP:	National Toxicology Program
IARC:	International Agency for Research on Cancer
LD50:	Lethal Dose 50%
LC50:	Lethal Concentration 50%
EC50:	Effective Concentration 50%
NOAEL:	No Observed Adverse Effect Level
NOEL:	No Observed Effect Level
EC50:	Effective Concentration 50%

SECTION 16 OTHER INFORMATION

LL50: Lethal Loading Rate 50%
BCF Bioconcentration Factor
BOD: Biological Oxygen Demand
Koc: Soil Organic Carbon Partition Coefficient.
Tlm: Median Tolerance Limit

Key References:

United States National Library of Medicine's TOXNET
Patty's Toxicology, 5th Edition
European Chemicals Agency (ECHA) online database
European Commission's Institute for Health and Consumer Protection
American Conference of Governmental Industrial Hygienists
International Agency for Research on Cancer
United States National Toxicology Program
United States Occupational Safety and Health Administration
United States Department of Transportation
Supplier Material Safety Data Sheets

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