



SAFETY DATA SHEET

SECTION 1 — PRODUCT IDENTIFICATION

Product identifier: Alba-BRO

Product Number: 1680

CAS Number: Mixture

Description: DTG Pretreatment Spray

Preparation Date: December 09, 2019

Revision Date: March 9, 2020

Manufacturer's name and address: Refer to supplier

Supplier name and address:

ALBATROSS USA INC./EXPERT WORLDWIDE

36-41 36th Street

Long Island City, New York

United States

11106

718-392-6272

Emergency: New Zealand: 0800 POISON (0800 764 766)

Supplier Details

Hitec-Ink

Unit 4 / 231 Annex Road

Middleton 8025

Ph 03 6660100

5439 San Fernando Road West

Los Angeles, California

United States

90039

818-543-5850

Emergency Telephone #: Spill, leak, fire, exposure or accident – Call CHEMTREC – Day or Night

1-800-434-9300 or 1-703-527-3887 (USA & Canada) 01-800-681-9531 (Mexico)

This MSDS complies with 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION 2 — HAZARDS IDENTIFICATION

Hazard Classification

Physical Hazards

Gases under pressure

Compressed gas

Label Elements

Hazard Symbol:



Signal Word: Warning

Hazard Statement: Contains gas under pressure; may explode if heated.

Precautionary Statements

Storage: Protect from sunlight. Store in a well-ventilated place.

Hazard(s) not otherwise classified (HNOC): None.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Identity

CAS number

Content in percent (%)*

Nitrogen

7727-37-9

0.1 - <1%

Water

7732-18-5

68 – 77

Salt Mixture

13477-34-4

8 – 11

Proprietary Organic Materials

-

10 – 20

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

SECTION 4 — FIRST AID MEASURES

Ingestion: Rinse mouth thoroughly.

Inhalation: Move to fresh air.

Skin Contact: Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

Eye contact: Rinse immediately with plenty of water.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

SECTION 5 — FIRE FIGHTING MEASURES

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk. Stop flow of gas.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Vapors may travel considerable distance to a source of ignition and flash back. Pressurized container may explode when exposed to heat or flame.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

Methods and material for containment and cleaning up: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

Notification Procedures: Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

SECTION 7 — HANDLING & STORAGE

Precautions for safe handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.

Conditions for safe storage, including any incompatibilities: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Protect from sunlight. Store in a cool place. Aerosol Level 1

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

Chemical Identity

Type

Exposure Limit Values

Source

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection: Wear goggles/face shield.

Skin Protection

Hand Protection: No data available.

Other: No data available.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures: When using do not smoke. Observe good industrial hygiene practices.

SECTION 9 — PHYSICAL & CHEMICAL PROPERTIES

Appearance

Physical state: liquid

Form: Spray Aerosol

Color: Clear

Odor: No data available.

Odor threshold: No data available.

pH: No data available.

Melting point/freezing point: No data available.

Initial boiling point and boiling range: No data available.

Flash Point: Not applicable

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%): No data available.

Flammability limit - lower (%): No data available.

Explosive limit - upper (%): No data available.

Explosive limit - lower (%): No data available.

Vapor pressure: 7,584.2330 - 8,963.1844 hPa (20 °C)

Vapor density: No data available.

Density: No data available.

Relative density: No data available.

Solubility(ies)

Solubility in water: No data available.

Solubility (other): No data available.

Partition coefficient (n-octanol/water): No data available.

Auto-ignition temperature: No data available.

Decomposition temperature: No data available.

Viscosity: No data available.

SECTION 10 — STABILITY & REACTIVITY

Reactivity: No data available.

Chemical Stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: Avoid heat or contamination.

Incompatible Materials: No data available.

Hazardous Decomposition Products: No data available.

SECTION 11 — TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation: Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

Skin Contact: Moderately irritating to skin with prolonged exposure.

Eye contact: Eye contact is possible and should be avoided.

Ingestion: May be ingested by accident. Ingestion may cause irritation and malaise.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral: Product: Not classified for acute toxicity based on available data.

Dermal: Product: Not classified for acute toxicity based on available data.

Inhalation: Product: Not classified for acute toxicity based on available data.

Repeated dose toxicity: Product: No data available.

Skin Corrosion/Irritation: Product: No data available.

Serious Eye Damage/Eye Irritation: Product: No data available.

Respiratory or Skin Sensitization: Product: No data available.

Carcinogenicity: Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro: Product: No data available.

In vivo: Product: No data available.

Reproductive toxicity: Product: No data available.

Specific Target Organ Toxicity - Single Exposure: Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure: Product: No data available.

Aspiration Hazard: Product: No data available.

Other effects: No data available.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish: Product: No data available.

Aquatic Invertebrates Product: No data available.

Chronic hazards to the aquatic environment:

Fish: Product: No data available.

Aquatic Invertebrates: Product: No data available.

Toxicity to Aquatic Plants: Product: No data available.

Persistence and Degradability

Biodegradation: Product: No data available.

BOD/COD Ratio: Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF): Product: No data available.

Partition Coefficient n-octanol / water (log Kow): Product: No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Nitrogen

No data available.

Other adverse effects: No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Disposal instructions: Wash before disposal. Dispose to controlled facilities.

Contaminated Packaging: No data available.

SECTION 14 — TRANSPORTATION INFORMATION

DOT

| | |
|-------------------------------|-------------------------|
| UN Number: | UN 1950 |
| UN Proper Shipping Name: | Aerosols, non-flammable |
| Transport Hazard Class(es) | |
| Class: | 2.2 |
| Label(s): | — |
| Packing Group: | II |
| Marine Pollutant: | No |
| Environmental Hazards: | No |
| Marine Pollutant | No |
| Special precautions for user: | Not regulated. |

IMDG

| | |
|-------------------------------|-------------------------|
| UN Number: | UN 1950 |
| UN Proper Shipping Name: | Aerosols, non-flammable |
| Transport Hazard Class(es) | |
| Class: | 2 |
| Label(s): | — |
| EmS No.: | |
| Packing Group: | — |
| Environmental Hazards: | No |
| Marine Pollutant | No |
| Special precautions for user: | Not regulated. |

IATA

| | |
|-------------------------------|-------------------------|
| UN Number: | UN 1950 |
| Proper Shipping Name: | Aerosols, non-flammable |
| Transport Hazard Class(es): | |
| Class: | 2.2 |
| Label(s): | — |
| Packing Group: | — |
| Environmental Hazards: | No |
| Marine Pollutant | No |
| Special precautions for user: | Not regulated. |
| Cargo aircraft only: | Allowed. |

SECTION 15 — REGULATORY INFORMATION

US Federal Regulations

Restrictions on use: Not known.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories** Fire Hazard, Sudden Release of Pressure, Flammable aerosol, Gases under pressure**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical**Chemical Identity**

Nitrogen

Threshold Planning Quantity

10000 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**US State Regulations****US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

International regulations**Montreal protocol** Not applicable**Stockholm convention** Not applicable**Rotterdam convention** Not applicable**Kyoto protocol** Not applicable**Inventory Status:**

| | |
|--|--|
| Australia AICS: | On or in compliance with the inventory |
| Canada DSL Inventory List: | On or in compliance with the inventory |
| EINECS, ELINCS or NLP: | Not in compliance with the inventory. |
| China Inv. Existing Chemical Substances: | On or in compliance with the inventory |
| Korea Existing Chemicals Inv. (KECI): | On or in compliance with the inventory |
| Canada NDSL Inventory: | Not in compliance with the inventory. |
| US TSCA Inventory: | On or in compliance with the inventory |
| New Zealand Inventory of Chemicals: | On or in compliance with the inventory |
| Japan ISHL Listing: | Not in compliance with the inventory. |
| Japan Pharmacopoeia Listing: | Not in compliance with the inventory. |
| Mexico INSQ: | On or in compliance with the inventory |
| Ontario Inventory: | On or in compliance with the inventory |
| Taiwan Chemical Substance Inventory: | On or in compliance with the inventory |
| Japan (ENCS) List: | Not in compliance with the inventory. |
| Philippines PICCS: | On or in compliance with the inventory |

SECTION 16 — OTHER INFORMATION**Issue Date:** 12/09/2019**Revision Information:** No data available.**Version #:** 1.1**Further Information:** No data available.

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.