# SAFETY DATA SHEET

**Issuing Date** No data available **Revision Date** 1-June 2015 **Revision Number** 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**GHS product identifier**

**Product Name** **BIRSCH ONE 4 ALL**

**Other means of identification**

**Product Code(s)** **1000004425, 45818**

**Synonyms** N/A

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Cleaner

**Uses advised against** No Information Available

**Supplier's details**

**Supplier Address**
Birsch Industries
476 Viking Drive
Virginia Beach, VA. 23452
TEL: 757-622-0355

**Emergency telephone number**

**Emergency Telephone Number** CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924

## 2. HAZARDS IDENTIFICATION

**Classification**

FLAMMABLE AEROSOLS – Category 1
SENSITIZATION, SKIN – Category 1
ASPIRATION HAZARD – Category 1

**GHS Label elements, including precautionary statements**

**Emergency Overview**

**Signal Word** **DANGER**

**Hazard Statements**
• Extremely flammable aerosol
• May be fatal if swallowed and enters airways
• May cause an allergic skin reaction

**Appearance** Cloudy White **Physical State** Gas**/**Aerosol **Odor** Citrus Scent

**Symbol:**

**Precautionary Statements**

**Prevention**
Keep away from heat/sparks/open flames/hot surfaces. No Smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing mist or vapor. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

**Response**
IF SWALLOWED: Immediately call a poison center/doctor. IF ON SKIN: Wash with plenty of water. Specific treatment (see this label). Do NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Collect spillage.

**Storage**
Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal**
Dispose of contents and container in accordance with applicable local, regional, national and/or international regulations.

**Hazard(s) not otherwise classified (HNOC)**
Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms**

| Chemical Name | CAS-No | Weight % | Notes |
|---|---|---|---|
| White Mineral Oil | 8042-47-5 | 20 – 40 | * |
| Butane | 106-97-8 | 2.5 – 10 | * |
| Propane | 74-98-6 | 2.5 – 10 | * |
| Citrus Terpenes | 94266-47-4 | 1 – 3 | * |
| Ployethylene Glycol Nonylphenol Ether | 9016-45-9 | < 1 | * |

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

## 4. FIRST AID MEASURES

**Description of necessary first-aid measures**

**Eye Contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

**Skin Contact** Remove contaminated clothing immediately and wash skin with soap and water. Take off immediately all contaminated clothing. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

**Inhalation** If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

**Ingestion** Call a physician or poison center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Indication of immediate medical attention and special treatment needed, if necessary**

| | |
|---|---|
| **Most Important Symptoms** | May cause allergic skin reaction. Dermatitis. Aspiration may case pulmonary edema and pneumonitis. Rash. Direct contact with eyes may cause temporary irritation. May cause an allergic skin reaction. |
| **Indication of Immediate Medical Attention** | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| **General Information** | Take off immediately all contaminated clothing. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. |

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Alcohol resistant foam, Water fog, Dry chemicals, Carbon dioxide
Do NOT use water jet as an extinguisher, as this will spread the fire.

**Specific Hazards Arising from the Chemical**

Contents under pressure. Pressurized container may explode when exposed to heat or flame. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

**Special Protective Equipment and Precautions for Firefighters**

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

**Fire-Fighting Equipment/Instructions**

Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

**Specific Methods**

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

**General Fire Hazards**

Extremely flammable aerosol

## 6. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| **Personal Precautions** | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS. |
| **Methods and Materials for Containment and Clean Up** | Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.<br>Small Spills: Wipe up with absorbent material (cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see Section 13 of the SDS. |

**Environmental Precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if save to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not re-use empty containers. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated contact with skin. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Level 1 Aerosol

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerate, or crush. Do not handle or store near an open flame, heat or other sources or ignition. This material can accumulate static charge which may cause spark and become an ignition source. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits**

| | Components | Type | Value |
|---|---|---|---|
| **US OSHA Table Z-1 Limits for Air Contaminants** | Propane (CAS 74-98-6) | PEL | 1800 mg/m³<br>1000 ppm |
| **US ACGIH Threshold Limit Values** | Butane (CAS 106-97-8) | STEL | 1000 ppm |
| **US NIOSH: Pocket Guide to Chemical Hazards** | Butane (CAS 106-97-8) | TWA | 1900 mg/m³<br>800 ppm |
| | Propane (CAS 74-98-6) | TWA | 1800 mg/m³<br>1000 ppm |

**Biological Limit Values** No biological exposure limits noted.

**Appropriate Engineering Controls** Explosion-proof general and local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye & Face Protection** Face shield is recommended. Chemical goggles are recommended.

**Hand & Skin Protection** Wear appropriate chemical resistant gloves and clothing. Use of an impervious apron is recommended.

**Respiratory Protection** If permissible levels are exceeded use NIOSH mechanical filter/organic vapor cartridge or an air-supplied respirator.

**Thermal Hazards** Wear appropriate thermal protective clothing, when necessary.

**Hygiene Measures** When using, do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | | | |
|---|---|---|---|
| **Physical State** | Gas-Aerosol | **Appearance** | Cloudy White |
| **Odor** | Citrus Scent | **Odor Threshold** | No information available |

| **Property** | **Values** |
|---|---|
| **pH** | 10.0 – 11.0 |
| **Melting Point/Range** | No data available |
| **Boiling Point/Boiling Range** | 318.69°F (159.27°C) |
| **Flash Point** | -156°F (-104.4°C) |
| **Evaporation rate** | No data available |
| **Flammability (solid, gas)** | No data available |
| **Flammability Limits in Air** | |
| **upper flammability limit** | No data available |
| **lower flammability limit** | No data available |
| **Vapor Pressure** | 20.74 psig @ 70F |
| **Vapor Density** | No data available |
| **Relative Density** | No data available |
| **Specific Gravity** | 0.95 – 0.97 |
| **Water Solubility** | No data available |
| **Solubility in other solvents** | No data available |
| **Partition coefficient: n-octanol/water** | No data available |
| **Autoignition Temperature** | No data available |
| **Decomposition Temperature** | No data available |
| **Viscosity** | No data available |
| **Flammable Properties** | No data available |
| **Explosive Properties** | No data available |
| **Oxidizing Properties** | No data available |

## 10. STABILITY AND REACTIVITY

**Stability**
The product is stable

**Possibility of hazardous reactions**
No dangerous reaction known under normal conditions.

**Conditions to avoid**
Keep away from heat, sparks and open flame. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials**
Strong oxidizing agents. Fluorine. Chlorine. Nitrates.

**Hazardous decomposition products**
No hazardous decomposition products are known.

## 11. TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure**

| | |
|---|---|
| **Ingestion** | Expected to be a low ingestion hazard. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |
| **Inhalation** | Not available |
| **Skin Contact** | Causes mild skin irritation. May cause an allergic skin reaction. |
| **Eye Contact** | Direct contact with eyes may cause temporary irritation. |
| **Symptoms** | Dermatitis. Aspiration may cause pulmonary edema and pneumonitis. Rash. May cause allergic skin reaction. Direct contact with eyes may cause temporary irritation. |

**Information on Toxicological Effects**

**Acute Toxicity** May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

| Chemical | Test | Species | Results |
|---|---|---|---|
| One 4 All (CAS Mixture) | Dermal LD50 | Rat | 78652 mg/kg |
| | Inhalation LC50 | Rat | 4104 mg/l/4h |
| Butane (CAS 106-97-8) | Inhalation LC50 | Mouse<br><br>Rat | 1237 mg/l, 120 Minutes<br>52%, 120 Minutes<br>1355 mg/l |
| Propane (CAS 74-98-6) | Inhalation LC50 | Mouse<br><br>Rat | 1237 mg/l, 120 Minutes<br>52%, 120 Minutes<br>1355 mg/l<br>658 mg/l/4h |
| White Mineral Oil (CAS 8042-47-5) | Dermal LD50 | Rabbit | > 2000 mg/kg, 24 Hours |
| | Inhalation LC50 | Rat | 2.18 mg/l, 4 Hours |
| | Oral LD50 | Rat | 5000.0001 mg/kg |

**Skin Corrosion/Irritation** Causes mild skin irritation

**Serious Eye Damage/Eye Irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory Sensitization** This product is not expected to cause respiratory sensitization.
**Skin Sensitization** May cause an allergic skin reaction.
**Germ Cell Mutagenicity** No data available
**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive Toxicity** This product is not expected to cause reproductive or developmental effects.
**Specific Target Organ Toxicity Single Exposure** Not applicable
**Specific Target Organ Toxicity Repeated Exposure** Not applicable
**Aspiration Hazard** May be fatal if swallowed and enters airways. Not an aspiration hazard.

## 12. ECOLOGICAL INFORMATION

**Ectotoxicity** Toxic to aquatic life

| Chemical | Test | Species | Results |
|---|---|---|---|
| One 4 All (CAS Mixture) | Algae - IC 50 | Algae | 20858 mg/L, 72 Hours |
| | Crustacea – EC 50 | Daphnia | 2069 mg/L, 48 Hours |
| | Fish – LC 50 | Fish | 12119 mg/L, 96 Hours |
| Polyethylene Glycol Nonylphenol Ether (CAS 9016-45-9) | Crustacea – EC 50 | Water Flea | 12.2 mg/l, 48 Hours |
| | Fish – LC 50 | Bluegill | 1-1.8 mg/l, 96 Hours |
| White Mineral Oil (CAS 8042-47-5) | Fish – LC 50 | Fish | 10000.0001, 96 Hours |

**Persistence and Degradability** No data available
**Bioaccumulative Potential** No data available
**Mobility In Soil** No data available
**Other Adverse Effects** No other adverse environmental effects are expected from this product.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
**Local Disposal Regulations** Dispose in accordance with all applicable regulations.
**Hazardous Waste Code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
**Waste From Residues** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

**Contaminated Packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. TRANSPORT INFORMATION

**DOT**

UN Number: UN1950
UN Proper Shipping Name: Aerosols, flammable, (each not exceeding 1 L capacity)
Transport Hazard Class: 2.1
Packing Group: Not applicable
Special Provisions: N82
Packaging Exceptions 306

This product meets the exception requirements of section 173.306 as a limited quanity and may be shipped as a limited quani\tity. Until 12/31/2020, the "Consumer Commodity – ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/2020 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

## 15. REGULATORY INFORMATION

**U.S. Federal Regulations**

This product is a U.S. EPA registered pesticide.
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard Categories** Immediate Hazard – Yes
Delayed Hazard – No
Fire Hazard – Yes
Pressure Hazard – Yes
Reactivity Hazard - No

**SARA 302 Extremely Hazardous Substance** Anhydrous Ammonia (CAS 7664-41-7)
RQ: 100
Threshold Planning Quantity: 500 lbs

**SARA 311/312 Hazardous Chemical** N/A

**SARA 313 (TRI Reporting)** Benzene (CAS 71-43-2)
% by Wt: 0.01-0.1

**Clean Air Act (CAA)**

**Section 112 Hazardous Air Pollutants** Not regulated

**Section 112r Accidental Release Prevention** Butane (CAS 106-97-8)
Propane (CAS 74-98-6)

**CERCLA (40 CFR 302.4)**

Not Listed

**US OSHA Specifically Regulated Substance (29 CFR 1910.1001-1050)**

Not Listed

**Safe Water Drinking Act (SDWA)**

Not Regulated

**California Proposition 65**

This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm: Benzene (CAS 71-43-2)

**US State Regulations**

| | Massachusetts | New Jersey | Pennsylvania | Rhode Island |
|---|---|---|---|---|
| Butane (CAS 106-97-8) | X | X | X | X |
| Propane (CAS 74-98-6) | X | X | X | X |

## 16. OTHER INFORMATION

| | |
|---|---|
| **Prepared By** | Birsch Industries<br>476 Viking Drive<br>Virginia Beach, VA. 23452<br>TEL: 757-622-0355 |
| **Issuing Date** | No information available |
| **Revision Date** | 1-June 2015 |
| **Revision Note** | N/A |

**General Disclaimer**

**The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.**

**End of Safety Data Sheet**