SAFETY DATA SHEET

Brasseler EVERclean Handpiece Spray

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1 - IDENTIFICATION

1.1 Product Identifier

Product Name : *Brasseler EVERclean Handpiece Spray*
Manufacturer Product Number : *P10577CT-A*

1.2 Other Means of Identification

Other Identifiers : *Not Available*

1.3 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use : *Dental Lubricant*
Restrictions on Use : *None Identified*

1.4 Supplier Details

	Manufacturer Details	Supplier Details
Company Name		*Properpak*
Address		*P.O. Box 11157, Bainbridge, WA 98110 - United States*
Phone Number		*206-321-2589*
Fax Number		
Email		
Website		

1.5 24 hr Emergency Phone Number

Emergency Number : *800-255-3924*
Chem-Tel

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Flam. Aerosol 1	*H222*	*Physical Hazards*	*Flammable aerosol Category 1*
Press. Gas (Comp.)	*H280*	*Physical Hazards*	*Gases under pressure Compressed gas*
Asp. Tox. 1	*H304*	*Health Hazards*	*Aspiration hazard Category 1*

2.2 Label Elements

Hazard Pictograms



GHS02 *GHS04* *GHS08*

Signal Word ***Danger***

Hazard Statements

H222 : *Extremely flammable aerosol*
H280 : *Contains gas under pressure; may explode if heated*
H304 : *May be fatal if swallowed and enters airways*

Precautionary Statements

P210 : *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
P211 : *Do not spray on an open flame or other ignition source.*
P251 : *Pressurized container: Do not pierce or burn, even after use.*
P301+P310 : *If swallowed: Immediately call a POISON CENTER.*
P331 : *Do NOT induce vomiting.*
P403 : *Store in a well-ventilated place.*
P410+P412 : *Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.*

P501 *: Dispose of contents/container to applicable regulations.*

2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified *: None Identified.*

2.4 Unknown acute toxicity

50% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
50% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance / Mixture

Substance / Mixture *: Mixture*

3.2 Composition

Substance name	CAS Number	% wt*	Classification
White Mineral Oil	*8042-47-5*	*30 – 60*	*Asp. Tox. 1, H304*
Propane	*74-98-6*	*10 – 30*	*Flam. Gas 1, H220* *Press. Gas (Diss.), H280*
N-Butane	*106-97-8*	*10 – 30*	*Flam. Gas 1, H220* *Press. Gas (Diss.), H280*
Isobutane	*75-28-5*	*10 – 30*	*Flam. Gas 1, H220* *Press. Gas (Diss.), H280*

Full text of hazard classes and H-statements : see section 16

**Chemical name, CAS number and/or exact concentration have been withheld as a trade secret*

SECTION 4 - FIRST-AID MEASURES

4.1 Description of First-Aid Measures

General Measures *: Call a physician immediately.*
Inhalation *: Remove person to fresh air and keep comfortable for breathing.*
Skin Contact *: Wash skin with plenty of water.*
Eye Contact *: Rinse eyes with water as a precaution.*
Ingestion *: Do NOT induce vomiting. Call a physician immediately.*
First-Aid Responder Protection *: Wear adequate personal protective equipment based on the nature and severity of the emergency.*

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms of Exposure *: Confusion, Dizziness, Narcosis, Drowsiness, Diarrhea.*
Delayed Effects *: No known delayed effects.*
Immediate Effects *: Aspiration hazard.*
Chronic Effects *: No known chronic effects.*
Target Organs *: Central Nervous System.*

4.3 Indication of Immediate Medical Attention and Special Treatment

Notes to Physician *: Treat symptomatically.*
Specific Treatments/Antidotes *: No Information Available.*
Medical Conditions Aggravated *: May aggravate personnel with pre-existing disorders associated with any of the Target Organs.*

SECTION 5 - FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Extinguishing Media *: Water, carbon dioxide, dry chemical, universal aqueous film forming foam.*
Unsuitable Media *: Water jet.*

5.2 Specific Hazards Arising from the Chemical or Mixture

Hazardous Combustion Products : *Decomposition products may include: oxides of carbon, smoke, vapors. See also Section 10.6.*

Specific Hazards During Firefighting : *CONTENTS EXTREMELY FLAMABLE UNDER PRESSSURE. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source.*

5.3 Special Protective Actions for Fire-Fighters

Firefighting Instructions : *Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure.*

Protection during Firefighting : *Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.*

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel : *No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.*

For Emergency Personnel : *Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.*

6.2 Environmental Precautions

Environmental Precautions : *Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.*

6.3 Methods and Materials for Containment and Cleaning up

Containment Procedures : *Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents.*

Cleanup Procedures : *Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.*

Other Information : *Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned.*

Prohibited Materials : *Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.*

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling

General Handling Precautions : *KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation.*

Hygiene Recommendations : *Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.*

7.2 Conditions for Safe Storage Including Any Incompatibilities

Storage Requirements : *Storage of individual cans should be done in an area below 55°C (120 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended.*

Incompatibilities : *Segregate storage away from materials indicated in Section 10.*

NFPA 30B Classification : *This product is classified as a Level 3 Aerosol per NFPA 30B*

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

N-Butane (106-97-8)		
ACGIH	*ACGIH OEL TWA*	*1000 ppm*
ACGIH	*ACGIH OEL Ceiling*	*1000 ppm*
OSHA	*OSHA PEL (TWA) [2]*	*800 ppm*
NIOSH	*NIOSH REL (TWA)*	*1900*
NIOSH	*NIOSH REL TWA [ppm]*	*800 ppm*
California	*California PEL (TWA) (mg/m3)*	*1900 mg/m³*
California	*California PEL (TWA) (ppm)*	*800 ppm*

Propane (74-98-6)		
OSHA	*OSHA PEL (TWA) [1]*	*1800 mg/m³*
OSHA	*OSHA PEL (TWA) [2]*	*1000 ppm*
NIOSH	*IDLH [ppm]*	*2100 ppm*
NIOSH	*NIOSH REL (TWA)*	*1800 mg/m³*
NIOSH	*NIOSH REL TWA [ppm]*	*1000 ppm*
California	*California PEL (TWA) (mg/m3)*	*1800 mg/m³*
California	*California PEL (TWA) (ppm)*	*1000 ppm*

Isobutane (75-28-5)		
ACGIH	*ACGIH OEL TWA*	*1000 ppm*
NIOSH	*NIOSH REL (TWA)*	*1900 mg/m³*
NIOSH	*NIOSH REL TWA [ppm]*	*800 ppm*

White Mineral Oil (8042-47-5)		
ACGIH	*ACGIH OEL TWA [ppm]*	*5 mg/m³ Oil Mist*
OSHA	*OSHA PEL (TWA) [1]*	*5 mg/m³ Oil Mist*
NIOSH	*NIOSH REL (TWA)*	*5 mg/m³ Oil Mist*
NIOSH	*NIOSH REL (STEL)*	*10 mg/m³ Oil Mist*
California	*California PEL (TWA) (mg/m3)*	*5 mg/m³*

8.2 Exposure Controls

Engineering Measures : *Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.*

Personal Protective Equipment

Eye / Face Protection : *Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.*

Hand Protection : *Chemical-resistant gloves, tested according to ASTMF903-17.*

Remarks : *Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work.*

Skin and Body Protection : *For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.*

Respiratory Protection : *An approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits.*

Compliance : *If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.*

Other Protective Equipment : *Safety showers and eye-wash stations should be available in the workplace near where the material will be used.*

Environmental Exposure Controls : *Avoid release to the environment.*

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties

Boiling Point	*230.00 °C*	Melting / Freezing Point	*Not Available*
Flash Point, Liquid	*> 93.40 °C*	Flash Point, Propellant	*> -104.44 °C*

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Explosive Limits	*LEL: n/a UEL: 1.00 vol %*	Autoignition Temperature, Liquid	*371.00 °C*
Flammability	*Extremely Flammable Aerosol*	Density	*0.649 g/cm³*
Molecular Weight	*Not Available*	Weight	*5.416 lbs/gal*
Vapor Pressure	*Not Available*	pH	*Not Available*
Vapor Density	*Not Available*	Evaporation Rate (nBAc=1)	*Not Available*
Viscosity	*17.25 cSt (centistoke)*	Partition Coefficient (Log Pow)	*Not Available*
Odor Threshold	*Not Available*	Refractive Index	*Not Available*
Physical State	*Pressurized Product*	Heat Of Combustion	*> 18829.71 BTU/lb*
Appearance / Color	*Colorless*	Water Solubility	*Not Available*
Odor	*Slight*	Decomposition Temperature	*Not Available*

9.2 Environmental Properties

Percent Volatile	*50.00 % wt*	VOC Regulatory	*324.36 g/L (2.71 lbs/gal)*
Percent VOC	*50.00 % wt*	VOC Actual	*324.50 g/L (2.71 lbs/gal)*
Percent HAP	*0.00 % wt*	HAP Content	*0.00 g/L (0.00 lbs/gal)*
Global Warming Potential	*1.57 GWP*	Maximum Incremental Reactivity	*0.4830 g O3/g*
Ozone Depletion Potential	*0.00 ODP*		

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity *: No specific test data related to reactivity is available for this products or its ingredients.*

10.2 Chemical Stability

Chemical Stability *: This product is stable.*

10.3 Possibility of Hazardous Reactions

Hazardous Reactions *: Under normal conditions of storage and use, hazardous reactions are not expected to occur.*

10.4 Conditions to Avoid

Conditions to Avoid *: Electrostatic Discharge, Other Ignition Sources, Heat, Flames, Sparks.*

10.5 Incompatible Materials

Materials to Avoid *: Strong Oxidizing Agents, Halogen Compounds.*

10.6 Hazardous Decomposition Products

Thermal Decomposition *: Under normal conditions of storage and use, hazardous decomposition products should not be produced.*

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

N-Butane (CAS: 106-97-8 / EC: 203-448-7)	
LC50 Inhalation (Rat)	*658 mg/l/4h (ChemInfo)*
LC50 Inhalation (Rat)	*276000 ppm/4h (ChemInfo)*

Propane (CAS: 74-98-6 / EC: 200-827-9)	
LC50 Inhalation (Rat)	*658 mg/l/4h (Lit.)*

Isobutane (CAS: 75-28-5 / EC: 200-857-2)	
LC50 Inhalation (Rat)	*368000 ppm/4h (ChemInfo)*

White Mineral Oil (CAS: 8042-47-5 / EC: 232-455-8)	
LD50 Oral (Rat)	*> 5000 mg/kg body weight (ChemInfo)*
LD50 Dermal (Rabbit)	*> 2000 mg/kg body weight (ChemInfo)*

Routes Of Exposure : *Eye Contact, Ingestion, Skin Contact, Inhalation.*

Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure : *See Section 4.2*

Skin Corrosion/Irritation : *Not classified*

Eye Damage/Irritation : *Not classified*

Respiratory or Skin Sensitization : *Not classified*

Germ Cell Mutagenicity : *Not classified*

Reproductive Toxicity : *Not classified*

STOT-Single Exposure : *Not classified*

STOT-Repeated Exposure : *Not classified*

Aspiration Hazard : *May be fatal if swallowed and enters airways.*

Vaporizer : *Aerosol*

Carcinogen Data : *None of the ingredients in the product are listed with OSHA, IARC, NTP or ACGIH as being a suspected or known carcinogen in a concentration greater than 0.1% by weight.*

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity and Ecological Properties

n-Butane (106-97-8)	
Persistence and Degradibility	*Readily biodegradable in water.*
Bioconcentration Factor	*33.52*
Log Pow	*2.89*
Bioacculative Potential	*Low potential for bioaccumulation (Log Kow < 4).*
Log Koc	*1.641*

Propane (74-98-6)	
Persistence and Degradibility	*Readily biodegradable in water. Not applicable (gas). Photodegradation in the air.*
BCF Fish	*9 – 25 (BCF)*
Log Pow	*2.28 (Calculated)*
Bioacculative Potential	*Low potential for bioaccumulation (Log Kow < 4).*

Isobutane (75-28-5)	
Persistence and Degradibility	*Readily biodegradable in water. Biodegradable in the soil. Not applicable (gas).*
BCF Fish	*26.62*
Log Pow	*2.76*
Bioacculative Potential	*Low potential for bioaccumulation (BCF < 500).*
Log Koc	*1.545*

White Mineral Oil (8042-47-5)	
LC50 Fish	*> 100 mg/l Rainbow Trout - 96hr*
EC50 Daphnia	*> 100 mg/l Water Flea - 48hr*
Persistence and Degradibility	*Biodegradability 24% / 28 days.*
Log Pow	*> 6 (Calculated)*
Bioacculative Potential	*High potential for bioaccumulation (Log Kow > 5).*

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal : *Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations.*

Waste Disposal Of Packaging : *In the United States, an aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.*

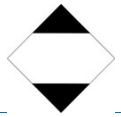
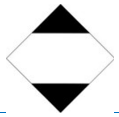
Landfill Precautions : *Not Available.*

Incineration Precautions : *** DO NOT INCINERATE ** CONTENTS UNDER PRESSURE **.*

SECTION 14 - TRANSPORTATION INFORMATION

14.1 UN Number	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Number :	*UN1950*	*UN1950*	*UN1950*

14.2 UN Proper Shipping Name	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Proper Shipping Name :	*Aerosols, Limited Quantity*	*Aerosols, Flammable, Limited Quantity*	*Aerosols, Limited Quantity*

14.3 Transport Hazard Class(es)	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Transport Hazard Class(es) :	*2.1*	*2.1*	*2.1*
Labels :	*None*	*2.1 - Flammable gas* 	*None*
Limited Quantity :	*Yes* 	*Yes* 	*Yes* 
EmS Code :	*Not Applicable*	*Not Applicable*	*F-D, S-U*

14.4 Packing Group	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Packing Group :	*None*	*None*	*None*

14.5 Environmental Hazards	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Marine Pollutant :	*No*	*No*	*No*

14.6 Special Precautions

Precautions : *None Identified*

14.7 Transport in Bulk

Remarks : *Not applicable for product as supplied*

SECTION 15 - REGULATORY INFORMATION

15.1 Federal Regulations

SARA Section 313 : *This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.*

TSCA Section 12(b) : *This product or mixture is not known to contain a chemical or chemicals subject to the export notification requirements of section 12(b) of the Toxic Substances Control Act (TSCA) and 40 CFR Part 707, subpart D*

CERCLA Reportable Quantity : *This product or mixture is not known to contain a chemical or chemicals subject to the release reporting requiements of section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)*

15.2 State Regulations

California Proposition 65 : *This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm*

State Right-to-Know Lists *: The following chemical(s) appear on one or more state RTK (Right to Know) lists as indicated*

n-Butane (106-97-8)	*U.S. - New Jersey - Right to Know Hazardous Substance List*
Propane (74-98-6)	*U.S. - New Jersey - Right to Know Hazardous Substance List*
Isobutane (75-28-5)	*U.S. - New Jersey - Right to Know Hazardous Substance List*

SECTION 16 - OTHER INFORMATION

Indication of changes *:*

Section	*Changed item*	*Change*
1	Supersedes	Modified
1	Revision date	Modified
1	Name	Modified
1	Product code	Modified

Disclaimer of Liability

The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.