

SAFETY DATA SHEETS

This SDS packet was issued with item:

077025513

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

077025505 077025521 077025539

Section 1: Identification**Product Identifier**

Product Name Quickcheck Indicating Spray
Product Code 10050; 10060; 10070

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

Recommended use Aerosol indicating and marking spray used in dental and other professional industries.

Details of the supplier of the safety data sheet

Manufacturer/Supplier Vacalon Company Inc
12960 Stonecreek Dr Ste C
Pickerington, OH 43147 USA
www.vacalon.com • info@vacalon.com
Telephone (General) 614-577-1945

Patterson Dental
1205 Henri-Bourassa W
Montréal, QC H3M 3E6
Canada
Telephone (General) 800-240-4604

Emergency telephone number

Hazmat Services Inc 800-373-7542 (USA)
(24 hour) 484-951-2432 (International)

Section 2: Hazard Identification**Classification of the substance or mixture**

Hazard category

- Flammable aerosol, Category 1, H222
- Gases under pressure - Liquefied gas, H280

Label elements

Signal word

- Danger

Pictogram

- GHS02, GHS04

**Hazard statements**

H222

- Extremely flammable aerosol

H280

- Contains gas under pressure: may explode if heated

Precautionary statements:**Prevention**

P210

- Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P211

- Do not spray on an open flame or other ignition sources.

P251

- Pressurized container: Do not pierce or burn, even after use.

Storage

P410+P412+P403

- Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well ventilated place.

Section 3. Composition/Information on Ingredients**Mixtures**

Chemical characterization • Aerosol

Hazardous Components

Chemical Name	Identifiers	%	Classification
Isobutane	CAS: 75-28-5 EC Number: 200-857-2 EU Index: 601-004-00-00	90% to 96%	Flammable Gas 1; H220

Section 4. First-Aid Measures**Description of first-aid measures**

- Inhalation • Move person to fresh air. If not breathing, give artificial respiration. Seek medical attention if problems persist.
- Skin • No special measures are necessary. In case of skin irritation seek medical attention.
- Eye • Flush eyes with plenty of water and seek medical attention.
- Ingestion • Product does not lend itself to ingestion. Accidental ingestion of small quantities is not expected to cause harm. Seek medical attention if problems persist.

Most important symptoms and effects, both acute and delayed

- No data available

Indication of any immediate medical attention and special treatment needed

- No data available

Section 5. Firefighting Measures**Extinguishing media**

Suitable extinguishing media • Water haze or fog, Fire-extinguishing powder, Carbon Dioxide (CO₂), Foam, Gaseous extinguishing agents

Unsuitable extinguishing media • No data available

Special hazards arising from the substance or mixture

Unusual fire and explosion hazard • Contents are under pressure. In case of fire if temperature rise above 50°C (122°F) it may cause bursting because of increased pressure from heating.

Advice for firefighters

- In case of fire, Carbon Monoxide (CO) may be released.
- Fire fighters should wear complete protective clothing including self-contained breathing apparatus.
- In case of fire cool surrounding endangered receptacles with water haze or fog.

Section 6. Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

- Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE).
- Ensure adequate ventilation to remove vapors, fumes, dust, etc.
- Eliminate all ignition sources

Environmental precautions

- Avoid run off to waterways and sewers

Methods and material for containment and cleaning up

Quickcheck Indicating Spray

- Containment/Clean-up measures
- Ensure adequate ventilation and allow to evaporate. Wipe up any residue with absorbent cloth or paper towels.
- Reference to other sections
- No data available

Section 7. Handling and Storage

Precautions for safe handling

- Handling
- Handle and use with care.
 - Keep away from heat and ignition sources.
 - Use only in well ventilated areas.
 - Fumes can combine with air to form explosive mixtures. Fumes are heavier than air, so ensure good ventilation, especially at floor level.

Condition for safe storage, including any incompatibilities

- Technical measures and storage conditions
- Keep away from sources of ignition - No Smoking.
 - Contents under pressure: protect from sunlight and do not expose to high temperatures that can increase the risk of bursting.
 - Store in a cool/low-temperature, well ventilated dry place away from heat and ignition sources.
- Information about common storage area
- Store away from oxidizing agents
- Additional storage information
- No data available

Section 8. Exposure Controls/Personal Protection

Control parameters

Occupational Exposure Limit Values

Isobutane (CAS No. 75-28-5)

- REL (USA)
- 1900 mg/m³, 800 ppm
- TLV (USA)
- Varies mg/m³, 1000 ppm
- EV (Canada)
- 800 ppm

Exposure controls

- Engineering measures/controls
- General ventilation should be provided, as necessary, to maintain exposures below REL's or TLV's.
- Personal Protective Equipment
- In case of insufficient ventilation, wear suitable respiratory equipment.
 - Wear safety glasses
 - Wear appropriate gloves
 - Chemical resistant apron or other impervious cloth
 - Wash hands before breaks and at the end of work
- General industrial hygiene considerations
- Do not empty into drains or aquatic environment
- Environmental exposure controls

Section 9. Physical and Chemical Properties

Appearance/Description	Red, green or white powder dispensed as an aerosol		
Odor	Odorless	Odor Threshold	No data available
pH	No data available	Specific Gravity	< 1
Melting Point/Range	No data available	Boiling Point/Range	-11°C (12.2°F)
Water Solubility	Not miscible or difficult to mix	Viscosity	No data available
Partition coefficient: n-octanol/water	No data available	Decomposition Temperature	No data available

Volatility			
Vapor Pressure	App. 31 psig @ 21°C (70°F) (1600 mm Hg @ 21°C (70°F))	Vapor Density	Approx. 1.7
Evaporation Rate	No data available	Explosive Properties	Product is not explosive. Vapors may form explosive mixtures with air.
Flammability (solid, gas)	Extremely flammable aerosol		
Flash Point	< -18°C (0°F)	UEL	9.5%
Auto-ignition Temperature	No data available	LEL	1.8%

Section 10. Stability and Reactivity

Reactivity	• No data available
Chemical Stability	• Stable at normal temperatures
Possibility of hazardous reactions	• In case of insufficient ventilation can form explosive gas mixture with air.
	• May react violently with oxidizing agents.
Conditions to avoid	• Danger of receptacles bursting when heated.
	• Keep away from heat, sparks and ignition sources.
	• Do not subject to temperatures above 50°C (122°F).
	• Store away from oxidizing agents
Incompatible materials	• No data available
Hazardous decomposition products	• No data available

Section 11. Toxicological Information

Information on toxicological effects

Likely routes of exposure

- Eyes, skin contact, inhalation

Acute/potential health effects

Inhalation

- If allowed to accumulate to concentrations that reduce oxygen below safe breathing levels may cause breathing problems.

Skin

- Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation with pain, local redness and swelling with possible tissue destruction.

Eyes

- Causes severe irritation, experienced as discomfort or pain, excess blinking and tear production, with redness and swelling.

Ingestion

- Not a likely route of exposure. Ingestion of small amounts of material is not expected to cause harm.

Sensitizing effects

- No sensitizing effects are known.

Acute toxicity data

- No data available

Delayed and immediate effects as well as chronic effects from short and long term exposure

- No data available

Carcinogenicity

- IARC, NTP or OSHA identifies no component of this product that is present at levels greater than or equal to 0.1% as a human carcinogen.

Section 12. Ecological Information

Toxicity

- No data available

Persistence and degradability

- No data available

Bioaccumulative potential

- Due to the distribution coefficient an accumulation in organisms is not expected

Mobility in soil

- No data available

guide. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment, in addition to complying with all Federal, State, Provincial and Local laws and regulations. The information contained in this SDS is furnished without warranty, expressed or implied, regarding the accuracy or results obtained from the use thereof. Vacalon assumes no legal responsibility for the use or reliance upon the data in this sheet. In no event will the manufacturer or the distributor be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information or the misuse of the product.

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