

Material Safety Data Sheet

1. Material and Company Identification

Material Trade Names: Quickcheck

Material Description: Occlusal Indicator Spray

Data Manufacturer / Trader :

Neiryndck & Vogt N.V.
Molenberglei 22
B-2627 Schelle

Information source : devison consumables production
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2. Composition/Information on Ingredients

Chemical Name CAS#

Isobutane 75-28-5

This material is classified as hazardous under OSHA regulations
(See section 8 for exposure guidelines)

3. Hazard Identification

Clear odorless gas

Very Flammable; LEL=1.8%, UEL=8.4%

Eye: May cause irritation, direct contact can damage eye

Skin: Contact with liquid can freeze tissue, similar to thermal burn. May cause frostbite. No absorption through skin.

Ingestion: Product does not lend itself to ingestion.

Inhalation: No apparent ill effects in breathing concentration of 5% for 2 hours. Causes drowsiness in a short time in concentrations of 1%

4. First Aid Measures

Eyes: Flush eyes with fresh water for 15 minutes. Seek medical attention if necessary.

Excessive Inhalation: Remove to fresh air

5. Fire Fighting Measures

Fire and Explosion

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Material is considered highly flammable and form explosive mixtures with air, oxygen and all oxidizing agents.

Flammable Limits (In air Volume %); LEL- 1.8 UEL- 9.5

Explosive hazard- Moderate

Confine fire to immediate area; disperse liquid or vapor if spill occurs, shut off source or leak if possible.

Use carbon dioxide, dry chemical, mist or water spray

It is recommended that firefighters wear full protective equipment and respirator equipment.

6. Accidental Release Measures

Provide adequate ventilation.

Remove all ignition sources. Disperse vapors with water spray

7. Handling and Storage

No smoking, flames or flares in area

Product is highly flammable and forms explosive mixtures with air and all oxidizing agents.

Avoid high temperatures that may elevate component pressure above container rating.

Use and store this product with adequate ventilation.

8. Exposure Controls/ Personal Protection

If necessary local ventilation should be designed and installed to prevent employee exposure below 0.25 LEL

Wear safety glasses when using material.

Personal Protection: Impermeable type-nitrile rubber gloves and impervious clothing when repeated or prolonged skin contact is foreseen.

Exposure Guidelines OSHA PEL ACGIH TLV

Isobutane None established

9. Physical and Chemical Properties

Clear, odorless gas

PH: N/A

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Vapor Pressure (psig @70°F): 31

Vapor Density (air=1): 2.0068

Boiling Point @ 1 ATM degrees F: 10.90 (11.7° C)

Freezing/Melting Point: N/A

Solubility: Slight solubility in water

Specific Gravity (H₂O = 1): 0.5624

Flash Point (Method used: Closed cup degrees F): -120.00 (-84.4°C)

LEL (In air volume %): 1.8

UEL (In air volume %): 9.5

10. Stability and Reactivity

Material is basically stable

Avoid oxidizing materials

No known hazardous decomposition materials or reactions are known.

11. Toxicological Information

Inhalation: nausea, drowsiness, may occur from inhalation of propellant

Skin: Not toxic but will freeze tissue similar to thermal burn

Eye: Not toxic but will cause discomfort

Ingestion: Not toxic

12. Ecological Data

Material is an ecologically safe non-flouorocarbon propellant. Contains no CFC's

13. Disposal Considerations

Disposal must be made according to federal, state, and local regulations

14. Transport Information

DOT

Shipping Name: Liquefied Petroleum Gas

Hazard Class: Flammable Gas 2.1

I.D. Number: UN 1075

DOT Label: Flammable Gas

DOT Placard: Flammable Gas/ 1075

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15. Regulatory Information

OSHA: Material is considered hazardous- Hazard Communication Standard, 29 CFR 1800.1200

RCRA: Material is not defined as a hazardous waste (40 CFR 261)

TSCA: Material is listed in TSCA inventory

CERCLA: Material is not reportable under CERCLA

SARA: 311/312 hazard categories- immediate and delayed health, 313 reportable ingredients- none

California Proposition 65: Contains no chemicals reportable under California's Safe Drinking Water/ Toxic Enforcement Act

16. Other Information

HMIS Rating: Health 1 Flammability 4 Reactivity 0 Other 0

Prepared By: Peter Neirynek

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