

PRODUCT SAFETY DATA SHEET NOVORYT GASMELTER

SDS Reference No: 0101-02-03-05-11-12-18-26
Issue Date: February 2017
Revision No: 1
Page 1 of 6

1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Identification of the product: **Novoryt Gasmelter**
Replacement tip to gasmelter
Customs tariff number: **8468 2000**
- 1.2 Company Identification: Novoryt AG.
Zietmattweg 14
4462 Rickenbach BL
Switzerland
- 1.3 Emergency Contact No: +41 61 985 83 83
(office hours only)

2. COMPOSITION / INFORMATION ON INGREDIENTS

- 2.1 Iron/Blowtorch unit catalyst, Iron & Nylon Plastic, Brass, Mild & Stainless steel, Metal
Nickel plating (Irons only).
Nylon Plastic, Brass, Mild & Stainless steel
(Blowtorches only).
- 2.2 Chemical Composition: Blend of hydrocarbons consisting primarily of propane
(Butane Gas) iso- butane and n-butane.
- 2.3 Risk Phrases: Extremely flammable gas
- 2.4 Classification/symbol: Extremely flammable gas/F+

3. HAZARDS IDENTIFICATION

- 3.1 Eyes (when filling): Contact with liquid or butane gas under pressure can cause (Butane Gas) frostbite (cold burns).
- 3.2 Skin (when in use): During and after use unit becomes hot very quickly, do not touch tip or surrounding area, will cause burns. (Butane Gas – when filling) Contact with liquid or butane gas under pressure can cause frostbite (cold burns).
- 3.3 Inhalation: (when filling) May cause irritation to nose and throat, headache, nausea, vomiting, (Butane Gas) dizziness, euphoria, drowsiness. In poorly ventilated or confined areas, unconsciousness and asphyxiation may result.

PRODUCT SAFETY DATA SHEET NOVORYT GASMELTER

SDS Reference No: 0101-02-03-05-11-12-18-26
Issue Date: February 2017
Revision No: 1
Page 2 of 6

4. FIRST AID MEASURES

- 4.1 Eye Contact: Flush immediately with plenty of water for at least 15 minutes. (Butane Gas) Hold eyelids apart while flushing to rinse entire surfaces of eye and lids with water. Get immediate medical attention.
- 4.2 Skin Contact: In case of hot burns, place the affected area in cold water. Get immediate medical attention. (Butane Gas) In case of cold burns, immediately place affected area in tepid to warm water and keep immersed until circulation returns.
- 4.3 Inhalation of Butane: Remove patient immediately to uncontaminated area. (Gas vapours or fumes) Keep warm and at rest. If breathing has stopped or shows signs of failing, commence artificial respiration. Get immediate medical attention.
- 4.4 Ingestion: No emergency care anticipated, since product is a gas under normal (Butane Gas) conditions. Severe inhalation/over exposure may sensitize the heart to catecholamine-induced arrhythmias. Do **NOT** administer catecholamine's to an over exposed person. Never make an unconscious person vomit or drink fluids. Do not induce vomiting and seek medical advice.

5. FIRE FIGHTING MEASURES

- 5.1 Special fire/explosion: Hazard (Butane Gas) Can form explosive mixtures with air.
- 5.2 Products of Combustion: (Butane Gas) Oxides of carbon.
- 5.3 Fire fighting procedures/ Extinguishing media Dry powder only. Keep hot iron / blowtorch away from combustible materials.

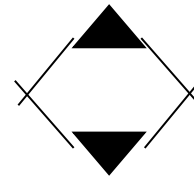
PRODUCT SAFETY DATA SHEET NOVORYT GASMELTER

SDS Reference No: 0101-02-03-05-11-12-18-26
Issue Date: February 2017
Revision No: 1
Page 3 of 6

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Protection: Avoid contact with liquid and vapour.
(Butane Gas)
- 6.2 Environmental Extinguish all naked flames and sources of ignition,
disperse vapour. Precautions (Butane Gas)
- 6.3 Methods of Cleaning Up: Disperse vapour with water spray.
(Butane Gas)

7. HANDLING AND STORAGE



- 7.1 Precautions during Handling: Do not use in the vicinity of naked flames and
sources of heat. Use only as per instructions
supplied.
- 7.2 Precautions during Storage: Store away from sources of heat and ignition.
Store in suitable storage box allow unit to cool
before storage.
- 7.3 Packing Materials: Cardboard / Plastic.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Special Protective Measures: Use in well ventilated areas. Do not use in confined
spaces Keep away from direct heat and sunlight.
Do not place in fire or near a naked flame. Do not
expose to temperature exceeding + 50°C (+120°F).
Do not puncture or pierce even after use. Do not
incinerate. When operating, ensure you are not
near naked flames or combustible materials. Do
not leave unit unattended. Point away from body
and face when igniting. Ensure unit is cool before
removing or replacing tip. During and after use unit
becomes hot very quickly; do not touch tip or
surrounding area. If unit is leaking switch off and
leave in an open well-ventilated area until empty
and return to purchase outlet.

PRODUCT SAFETY DATA SHEET NOVORYT GASMELTER

SDS Reference No: 0101-02-03-05-11-12-18-26
Issue Date: February 2017
Revision No: 1
Page 4 of 6

8.2 Respiratory: Avoid exposure to butane gas vapour.
Hand: Avoid contact with butane gas.
Eye: Avoid contact with butane gas.
Skin: Avoid contact with butane gas.
Exposure Limits (gas): Long-term (8hr TWA) : 600ppm
Short-term (10 min) : 750 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical State: Nylon Plastic, Brass, Mild & Stainless steel, Metal catalyst, Iron & Nickel plating (Irons only)
Nylon Plastic, Brass, Mild & Stainless steel (Blowtorches only).

9.2 Odour (Butane Gas): Odourless.

9.3 Temperature Characteristics: Boiling point: -1°C (Butane Gas)

9.4 Solubility in Water: Slightly soluble (Butane Gas)

9.5 Vapour Pressure (20°C): 2.66 - 2.94 bar (Butane Gas)

9.6 Specific Gravity: 0.599 @ 20°C (Butane Gas)

9.7 Flammability: Liquid (25°C). (Butane Gas) Vapour (15°C)
Flash Point: -60°C
Auto-ignition temperature: 405°C
Flammable limits: 1.9 – 8.5% in air.

10. STABILITY AND REACTIVITY

10.1 Stability (Butane Gas): Can form explosive mixtures with air.

10.2 Conditions/materials to avoid: Strong oxidising agents, peroxide, plastics, chlorine (Butane Gas) dioxide and concentrated nitric acid.

10.3 Hazardous Decomposition: Normally carbon dioxide (carbon monoxide if deficiency in oxygen Products (Butane Gas) supply).

11. TOXICOLOGICAL INFORMATION

11.1 Effects of exposure to Butane Gas:
Eyes: Not applicable.
Skin: Not applicable.
Inhalation: Not determined.
Ingestion: Not applicable, product is a gas.

PRODUCT SAFETY DATA SHEET NOVORYT GASMELTER

SDS Reference No: 0101-02-03-05-11-12-18-26
Issue Date: February 2017
Revision No: 1
Page 5 of 6

Carcinogenicity: No known behaviour.
Mutagenicity: No known behaviour.
Tetratogenicity: No known behaviour.

12. BIOLOGICAL INFORMATION

12.1 Mobility (Butane Gas): Evaporates into atmosphere.
12.2 Persistence and degradability: Degrades under atmospheric conditions.
(Butane Gas)
12.3 Ecotoxicity: No known ecological damage caused by this product.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal of Product: Do not puncture. Do not incinerate. Do not discharge gas into areas where there is a risk of forming an explosive mixture.
13.2 Disposal of Packaging: Recycle cardboard and plastic packaging.

14. TRANSPORT INFORMATION

14.1 Not Regulated under IATA Regulations

15. REGULATORY INFORMATION

15.1 Risk Phrases (Butane Gas): R13 Extremely flammable liquefied gas.
Safety Phrases (Butane Gas): S16 keep away from sources of ignition – no smoking.
Classification/Symbol: F+ (Butane Gas)
15.2 Exposure Limits: Long-term (8hr TWA) 600 ppm (Butane Gas)
Short-term (10 mins) 750ppm

16. OTHER INFORMATION

16.1 Recommended Uses: Various as per manufacturers recommendations.
16.2 Sources of Data Used: Suppliers' Data Sheets.

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SDS Reference No: **0101-02-03-05-11-12-18-26**
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Page 6 of 6

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