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Safety Data Sheet
According to 91/155 EEC

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Printing date: 15.05.2007

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1. Identification of product and uses




Product name: Hydro Spray
Product type: A hand-held pre-pressurized aerosol
Specified use: Coating/Protection

Manufacturer/Supplier:
OptiSource International
40 Sawgrass Drive
Bellport, NY 11713

2 Composition/information on ingredients

- Chemical characterization

- **Description:** Mixture of substances listed below with nonhazardous additions.

CAS-Nr 64-17-5 EINECS 200-578-6	ethanol		F; R11	25-50%
CAS-Nr 106-97-8 EINECS 203-448-7	butane		F+; R12	25-50%
CAS-Nr 74-98-6 EINECS 200-827-9	propane		F+; R12	2.5-10%

Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- Hazard description:



F+ Extremely flammable

• Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

R 12 Extremely flammable.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

92.5 % by mass of the contents are flammable

Keep out of the reach of children

• Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

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5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.
- **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke.
Protect from heat. Protect against electrostatic charges. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Do not seal receptacle gas tight.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

64-17-5 ethanol

WEL Long-term value: 1920 mg/m³, 1000 ppm

106-97-8 butane

WEL Short-term value: 1810 mg/m³, 750 ppm
Long-term value: 1450 mg/m³, 600 ppm
Carc (if more than 0.1% of buta-1.3-diene)

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

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- **Respiratory protection:**
*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Use suitable respiratory protective device in case of insufficient ventilation.*
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

• General Information:	
Form:	Aerosol
Colour:	According to product specification
Odour:	Characteristic
• Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	-44°C
• Flash point:	< 0°C
• Ignition temperature:	365°C
• Self-igniting:	Product is not selfigniting.
• Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
• Explosion limits:	
Lower:	1.5 Vol %
Upper:	15.0 Vol %
• Vapour pressure at 20°C:	59 hPa
• Density:	Not determined.
• Solubility in / Miscibility with water:	Fully miscible.
• Solvent content: Organic solvents:	92.5 %
• Solids content:	7.2 %

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal Considerations

- **Product**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

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14 Transport information

• **Land transport ADR/RID (cross-border)**



- | | |
|--------------------------------|---------------|
| • ADR/RID Class: | 2.5F Gases |
| • Danger code (Kemler): | 23 |
| • UN-Number: | 1950 |
| • Packaging group: | - |
| • Hazard label: | 2.1 |
| • Description of goods: | 1950 AEROSOLS |

• **Maritime Transport IMDG:**



- | | |
|--------------------------------|----------|
| • IMDG Class: | 2.1 |
| • UN-Number: | 1950 |
| • Packaging Group: | - |
| • EMS-Nummer: | F-D, S-U |
| • Marine pollutant: | No |
| • Proper shipping name: | AEROSOLS |

• **Air transport ICAO-TI und IATA-DGR:**



- | | |
|--------------------------------|---------------------|
| • ICAO/IATA Class: | 2.1 |
| • UN/ID-Nummer: | 1950 |
| • Label: | 2.1 |
| • Packaging group: | - |
| • Proper shipping name: | AEROSOLS, flammable |

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15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**
F+ Extremely flammable
- **Risk phrases:** 12 *Extremely flammable.*
- **Safety phrases:**
1/2 Keep locked up and out of the reach of children.
13 Keep away from food, drink and animal feedingstuffs.
15 Keep away from heat.
51 Use only in well-ventilated areas.
- **Special labelling of certain preparations:**
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
92.5 % by mass of the contents are flammable.
Keep out of the reach of children

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
11 Highly flammable.
12 Extremely flammable.