



MATERIAL SAFETY DATA SHEET REACH

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Revised edition no : 1

Date : 1 / 6 / 2007

Supersedes : 1 / 3 / 2006

Brandspiritus 85% (Spirit 85%)**INFO**

HBV CHEMIE
Postbus 93
Beugsloepweg 9
NL-3130 AB Vlaardingen Nederland
Tel. 010-4343911
Fax 010-4602436
In case of emergency : NVIC +31 (0)30 2748888 Uitsluitend bestemd om
artsen te informeren bij accidentele vergiftigingen.

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Format : This Safety Data Sheet has been established in accordance with the REACH regulation (EG) 1907/2006.

Type of product : Fuel.

Prepared by : Department Legal Affaires
E. van Reeuwijk
administratie@hbvchemicalien.nl

Trade name : Brandspiritus 85% (Spirit 85%).

Responsible for placing on the market : See address above.

2 HAZARDS IDENTIFICATION

EC Labelling



-Symbol(s) : F : Highly flammable
Highly flammable.
Vapours may cause drowsiness and dizziness.

Contains : Ethanol - Methanol

Symptoms relating to use

-Inhalation : Symptoms of overexposure to vapours include drowsiness, weakness, headache, dizziness, nausea, vomiting, dimming of vision.

-Skin contact : Repeated or prolonged skin contact may cause irritation.

-Eye contact : May cause eye irritation.

-Ingestion : Ingestion may cause nausea, vomiting and diarrhea.

Note : The information given in this chapter is valid for the undiluted product.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Preparation : Preparation.**Components / Impurities****Substances presenting a health or environmental hazard (Directive 67/548/EEC) :**

Substance name	Value(s)	CAS No	EC No	Index No	Classification
ALCOHOL	: Between 75 and 100 %	64-17-5	200-578-6	603-002-00-5	F; R11
METHYL ALCOHOL	: Between 1 and 4.9 %	67-56-1	200-659-6	603-001-00-X	F; R11 T; R23/24/25-39/23/24/ 25
ACETONE	: Between 1 and 4.9 %	67-64-1	200-662-2	606-001-00-8	F; R11 R66 R67



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3 COMPOSITION / INFORMATION ON INGREDIENTS (continued)

Xi; R36

Ingredients (INCI) : Alcohol, Water , Methanol, Acetone.

4 FIRST AID MEASURES

-Inhalation : Remove victim to fresh air.

-Skin contact



: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

-Eye contact



: In case of eye contact, immediately rinse with clean water for 10-15 minutes.

-Ingestion

: If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting.

General information

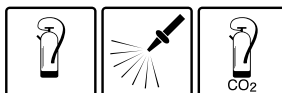
: Seek medical attention if ill effect or irritation develops.

5 FIRE-FIGHTING MEASURES

Specific hazards : Danger of immediate fire.

Prevention : No naked lights. No smoking.

Extinguishing media



: Carbon dioxide. Powder. Water fog. Foam.

- Unsuitable extinguishing media



: Do not use a heavy water stream.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions : No smoking. Ensure adequate air ventilation.

Environmental precautions : Prevent entry to sewers and public waters.

Clean up methods : Absorb excess liquid spillage on inorganic adsorbent material such as fine sand, brick dust etc.

7 HANDLING AND STORAGE

General : No naked lights. No smoking.

Personal protection



: When using do not eat or drink.



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7 HANDLING AND STORAGE (continued)

Storage : Keep container tightly closed.
Handling : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection : None necessary.
-Respiratory protection : No special protection required where adequate ventilation is maintained.
- Skin protection : In case of possible repeated skin contact wear protective clothing.
- Eye protection : Eye protection should only be necessary where liquid could be splashed or sprayed.
General hygiene : Avoid contact of the undiluted product with the skin, the eyes and clothing.
Occupational Exposure Limits : Ethanol : TLV[©] -TWA [mg/m³] : 1880
Ethanol : TLV[©] -TWA [ppm] : 1000
Ethanol : MAC [mg/m³] : 1000
Ethanol : MAC [ppm] : 500
Methanol : TLV[©] -TWA [mg/m³] : 262
Methanol : MAC [mg/m³] : 260
Methanol : MAC [ppm] : 200
Acetone : MAC [ppm] : 500
http://www.dguv.de/bgia/de/gestis/limit_values/index.html

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C : Liquid.
Colour : Blue.
Odo(u)r : Characteristic.
pH-value : Not applicable.
Boiling point [°C] : 78
Density : 0.84
Vapour pressure, 20°C : 58.5 mbar
Solubility in water : Complete.
Flash point [°C] : 15
Auto-ignition temperature [°C] : 370
Explosion limits - lower [%] : 3.4
Explosion limits - upper [%] : 19

10 STABILITY AND REACTIVITY

Stability and reactivity : Can form explosive mixture with air.
Hazardous decomposition products : None under normal conditions.
Materials to avoid : Oxidizing agent.

11 TOXICOLOGICAL INFORMATION

With the product as such no toxicological tests have been done. According to the criteria of art. 6 from 1999/45/EC this product is classified as mentioned in section 15. Components that are toxic are mentioned in section 3.

On ingredients : • Ethanol : Rat oral LD50 [mg/kg] : 7060



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11 TOXICOLOGICAL INFORMATION (continued)

- Ethanol : Rat oral LD50 [mg/kg] : 13600
 - Ethanol : Rat inhalation LC50 [mg/kg] : 40
 - Methanol : Rabbit oral LD50 [mg/kg] : 14400
 - Acetone : MAC [ppm] : 500
 - Acetone : Rat oral [mg/kg/24 hours] : Greater than 5000
- See <http://ecb.jrc.it/iuclid/> for detailed information.

12 ECOLOGICAL INFORMATION

With the product as such no ecological tests have been done. According to the criteria of art. 7 from 1999/45/EC this product is classified concerning the environment as mentioned in section 15. Components that are dangerous to the environment are mentioned in section 3.

On ingredients

- Ethanol : Log P octanol / water at 20°C : -3
 - Ethanol : BOD 5 (gO2/g) : 1.32
 - Ethanol : LC50-96 Hour - fish [mg/l] : 13480
 - Methanol : 48 H-LC50 - Daphnia magna [mg/l] : Greater than 10000
 - Acetone : Log P octanol / water at 20°C : 58.1
 - Acetone : LC50-96 Hour - fish [mg/l] : Greater than 5000
 - Acetone : 48 H-LC50 - Daphnia magna [mg/l] : 39
- See <http://ecb.jrc.it/iuclid/> for detailed information.

13 DISPOSAL CONSIDERATIONS

- General** : Comply with local regulations for disposal.
Disposal method : Take up small spills with dry chemical absorbent.

14 TRANSPORT INFORMATION

- General information** : ADR 2007
Emergency action in case of accident : Stop the engine.
Keep public away from danger area.
UN No. : 1170
H.I. nr : 33
-Proper shipping name : UN1170 ETHANOL (ETHYL ALCOHOL) / ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (Ethanol , Methanol), 3, II
- ADR Class : 3
-ADR Packing group : II
- Labelling ADR : 3



- Limited Quantity** : LQ 4
Combination packagings - Inner packaging : Maximum : 3 l
Combination packagings - Package : Maximum : 30 kg
Inner packagings placed in shrink-wrapped or stretch-wrapped trays - Inner packaging Maximum contents : 1 l
Inner packagings placed in shrink-wrapped or stretch-wrapped trays - Package Maximum : 20 kg



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15 REGULATORY INFORMATION

EC Labelling



-Symbol(s)	: F : Highly flammable
EC Classification	: F; R11 R67
Contains	: Ethanol - Methanol
R Phrase(s)	: R11 - Highly flammable. R67 - Vapours may cause drowsiness and dizziness.
S Phrase(s)	: S46 - If swallowed seek medical advice immediately and show this container or label. S62 - If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.

16 OTHER INFORMATION

Recommended uses and restrictions	: Domestic.
List of relevant R phrase (heading 3)	: R11 - Highly flammable. R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed. R36 - Irritating to eyes. R39/23/24/25 - Toxic : danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.

Safety data sheet available for professional user on request.

The data given here is based on current knowledge and experience. The purpose of this Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

Revision : Major changes in the text compared to former version are indicated with *.

Annexes

Identification of the product	: Brandspiritus 85% (Spirit 85%).
REACH information	
Chemical safety report	: Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out. See http://ecb.jrc.it/iuclid/ for detailed information.
Dangerous substances	: Ethanol - Methanol
Primary route of exposure	: Inhalation.

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