

**SAFETY DATA SHEET**  
INDUSTRIAL METHYLATED SPIRIT 94%

**Page:** 1  
**Compilation date:** 12/10/2018  
**Revision No:** 1

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** INDUSTRIAL METHYLATED SPIRIT 94%  
**CAS number:** 64-17-5  
**EINECS number:** 200-578-6  
**Product code:** GPS9025  
**Synonyms:** ABSOLUTE ALCOHOL  
NON-DENATURED ETHANOL

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use of substance / mixture:** PC21: Laboratory chemicals.

**1.3. Details of the supplier of the safety data sheet**

**Company name:** Atom Scientific Ltd  
2b East Tame Business Park  
Hyde  
Manchester  
SK14 4GX  
**Tel:** 0161 366 5123  
**Fax:** 01704 337167  
**Email:** technical@atomscientific.com

**1.4. Emergency telephone number**

**Emergency tel:** 07833453806

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Flam. Liq. 2: H225; Eye Irrit. 2: H319

**Classification under CHIP:** F: R11

**Most important adverse effects:** Highly flammable liquid and vapour. Causes serious eye irritation.

**2.2. Label elements**

**Label elements under CLP:**

**Hazard statements:** H225: Highly flammable liquid and vapour.  
H319: Causes serious eye irritation.

**Signal words:** Danger

**Hazard pictograms:** GHS02: Flame  
GHS07: Exclamation mark



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# SAFETY DATA SHEET

INDUSTRIAL METHYLATED SPIRIT 94%

Page: 2

**Precautionary statements:** P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313: If eye irritation persists: Get medical advice/attention.  
P403+235: Store in a well-ventilated place. Keep cool.

## 2.3. Other hazards

**Other hazards:** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** INDUSTRIAL METHYLATED SPIRIT 94%

**CAS number:** 64-17-5

**EINECS number:** 200-578-6

**Contains:** Molecular Formula : C<sub>2</sub>H<sub>6</sub>O  
Molecular weight : 46.07 g/mol

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water. Consult a doctor.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. Consult a doctor. Never give anything by mouth to an unconscious person.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** No data available.

## Section 5: Fire-fighting measures

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**SAFETY DATA SHEET**  
INDUSTRIAL METHYLATED SPIRIT 94%

Page: 3

**5.1. Extinguishing media**

**Extinguishing media:** Water spray. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** Not applicable.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus.

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. Evacuate the area immediately. Ensure adequate ventilation. Avoid breathing vapours, mist or gas. Use personal protective equipment. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 13 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.  
Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.  
For precautions see section 2.2.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Hygroscopic.

**Suitable packaging:** Not applicable.

**7.3. Specific end use(s)**

**Specific end use(s):** No special requirement.

**Section 8: Exposure controls/personal protection**

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**SAFETY DATA SHEET**  
INDUSTRIAL METHYLATED SPIRIT 94%

Page: 4

**8.1. Control parameters**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA              | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|-------------------------|--------------|------------|--------------|
| EU    | 1,920 mg/m <sup>3</sup> | -            | -          | -            |

**8.1. DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves. Nitrile gloves. Rubber gloves. Breakthrough time of the glove material > 1 hour.

**Eye protection:** Face-shield. Safety glasses.

**Skin protection:** Impervious clothing. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Environmental:** Do not let product enter drains. Prevent from entering in public sewers or the immediate environment.

**Section 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**State:** Liquid

**Colour:** Colourless

**Solubility in water:** Soluble

**Boiling point/range°C:** 78

**Flammability limits %: lower:** 3.3

**Flash point°C:** 14

**Autoflammability°C:** 363

**Relative density:** 0.789 g/mL

**Melting point/range°C:** -114

**upper:** 19

**Part.coeff. n-octanol/water:** log Pow: -0.349

**Vapour pressure:** 59.5 hPa

**9.2. Other information**

**Other information:** Not applicable.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** No data available.

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**SAFETY DATA SHEET**  
INDUSTRIAL METHYLATED SPIRIT 94%

Page: 5

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** No data available.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat. Flames. Sources of ignition.

**10.5. Incompatible materials**

**Materials to avoid:** Alkali metals. Oxidising agents. Peroxides.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicity values:**

| Route | Species | Test    | Value  | Units |
|-------|---------|---------|--------|-------|
| ORAL  | RAT     | LD50    | 10,470 | mg/kg |
| GASES | RAT     | 4H LC50 | 124.7  | mg/kg |

**Relevant hazards for substance:**

| Hazard                        | Route | Basis              |
|-------------------------------|-------|--------------------|
| Serious eye damage/irritation | OPT   | Based on test data |

**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

**Other information:** Not applicable.

**Section 12: Ecological information**

**12.1. Toxicity**

[cont...]

**SAFETY DATA SHEET**  
INDUSTRIAL METHYLATED SPIRIT 94%

Page: 6

**Ecotoxicity values:**

| Species            | Test     | Value | Units |
|--------------------|----------|-------|-------|
| FISH               | 96H LC50 | 15.3  | mg/l  |
| Ceriodaphnia dubia | 96H LC50 | 5,012 | mg/l  |
| ALGAE              | 48H EC50 | 275   | mg/l  |

**12.2. Persistence and degradability**

**Persistence and degradability:** Rapidly biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** No data available.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** No data available.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

**Recovery operations:** Not applicable.

**Disposal of packaging:** Dispose of as unused product.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN1170

**14.2. UN proper shipping name**

**14.3. Transport hazard class(es)**

**Transport class:** 3

**14.4. Packing group**

**Packing group:** 2

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**SAFETY DATA SHEET**  
INDUSTRIAL METHYLATED SPIRIT 94%

Page: 7

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Special precautions:** No special precautions.

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Specific regulations:** This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:** H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

R11: Highly flammable.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.