

# Material Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product Name:** HS SOLVENT  
**Trade Name:** HS Solvent  
**Recommended Use:** Solvent  
**Revision Date:** 16 May 2011  
**Company Name:** On-Crete Australia Pty Ltd  
**Address:** 4 / 489 Scottsdale Drive  
Varsity Lakes, Qld, Australia 4227  
**Telephone:** (07) 5593 6884  
**Fax:** (07) 5593 6885  
**Emergency Contact:** (07) 5593 6884  
**Other Information:** www.on-crete.com.au

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## 2. HAZARDS IDENTIFICATION

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**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA  
DANGEROUS ACCORDING TO THE CRITERIA OF THE ADG CODE**

**SYMBOLS:** F – Flammable  
Xi - Irritant  
**RISK PHRASES:** R11 – Highly Flammable  
R36 – Irritating to eyes  
R66 – Repeated exposure may cause skin dryness or cracking  
R67 – Vapours may cause drowsiness and dizziness  
**SAFETY PHRASES:** S2 – Keep out of reach of children  
S9 – Keep container in a well ventilated place  
S16 – Keep away from sources of ignition – No Smoking

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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### Hazardous Ingredients

<u>Chemical</u>	<u>CAS Number</u>	<u>Proportion (w/w)</u>
Methyl Ethyl Ketone	78-93-3	>99%

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## 4. FIRST AID MEASURES

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**Eyes:** If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek immediate medical assistance.

**Ingestion:** If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

**Inhalation:** Remove victim from exposure if safe to do so and to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

# Material Safety Data Sheet

Page 2 of 5

**Skin:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If irritation occurs seek medical advice.

**First Aid facilities:** Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

**Advice to doctor:** Treat symptomatically.

**Additional Info:** None available.

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## 5. FIRE FIGHTING MEASURES

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**Special Hazards:** A highly flammable liquid. May form flammable vapour mixture with air. Avoid all ignition sources. Flameproof equipment necessary in area where chemical is being used. Nearby equipment must be earthed. Vapours may travel considerable distances to source of ignition and flashback. Vapours may accumulate in low or confined areas.

**Suitable Extinguishing Media** Alcohol stable foam, water spray or fog. Dry chemical powder, carbon dioxide may be used for small fires only. Do not use water in a jet.

**Hazards from combustion products:** Carbon monoxide and/or Carbon dioxide may be evolved.

**Precautions for Fire Fighters and Special Protective Equipment:** Wear full protective clothing and self-contained breathing apparatus

**Additional Information:** Hazchem code 2YE

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## 6. ACCIDENTAL RELEASE MEASURES

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Observe all local and national regulations

**Spills and Disposal:** Shut off all sources of ignition. Increase ventilation. Clear area of all unprotected personnel. Stop leak if safe to do so.. Absorb with dry earth, sand or other non-combustible and inert material. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

**Spill Clean Up Methods:** For small spills (<1 drum), transfer by mechanical means to a labeled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose safely. For larger spills (>1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose safely.

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## 7. HANDLING AND STORAGE

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**Handling & Storage:** Avoid breathing of or contact with material. Use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Handle open containers in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not eat, drink or smoke in contaminated areas. Do not store near strong oxidants.

**Dispensing:** Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.

**Flammability:** Highly flammable.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Exposure Standards:** National Occupational Health & Safety Commission (NOHSC) Worksafe Australia has set an exposure standard 445mg/m<sup>3</sup> (150ppm) TWA (8hr), STEL 890mg/m<sup>3</sup> (300ppm)

**Biological Limit Values:** No biological limit allocated.

### PERSONAL PROTECTIVE EQUIPMENT:

**Eye Protection:** Wear safety goggles.

**Respiratory Protection:** If inhalation risk exists an approved organic vapour respirator (AS/NZS 1715 and 1716) should be worn.

**Hand Protection:** Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.

**Protective Clothing:** Use chemical resistant glove/gauntlets, boots and apron. Skin protection not ordinarily required beyond standard issue work clothes

**Engineering Controls:** Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance:** Colourless Clear liquid

**Odour:** Characteristic

**pH:** N/A

**Vapour Pressure (mmHg @ 20°C):** 9.5

**Vapour Density (air=1):** 2.4 @ 20 Deg C

**Boiling Point (°C):** 79-80

**Freezing/Melting Point (°C):** -86

**Solubility in water:** 250g/1 at 20 Deg C

**Specific Gravity (g/ml@15°C):** 0.805

**Flashpoint (°C):** -4 (Closed cup)

**Flammability Limits (%):** 1.8-11.5

**Auto Ignition Temperature (°C):** 515

**Percent Volatiles:** 100

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## 10. STABILITY AND REACTIVITY

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**Stability:** Stable under normal conditions of use.

**Conditions to Avoid:** Avoid heat, sparks, open flames and other ignition sources.

**Incompatible Materials:** Strong oxidizing agents, reducing agents, acids, alkalis.

**Hazardous Decomposition Products:** Burning can produce carbon monoxide and/or carbon dioxide

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## 11. TOXICOLOGICAL INFORMATION

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### HEALTH EFFECTS:

*Acute:*

**Swallowed:** Low toxicity – LC50>2000mg/kg, Rat.

**Inhaled:** Low toxicity: LD50>20mg/14hours, Rat. Inhalation of vapours or mists may cause irritation to the respiratory system. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in

# Material Safety Data Sheet

Page 4 of 5

**Skin Contact:** unconsciousness and/or death.  
Low toxicity: LD50>2000/kg, Rabbit. May cause moderate skin irritation (but insufficient to classify). Repeated or prolonged skin contact may lead to irritant contact dermatitis.

**Eye Contact:** Irritating to eyes.

**Chronic:** Not a skin sensitizer, not mutagenic.

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## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity:**

Fish:	Toxic LC/EC/IC50 > 1000mg/1
Aquatic Invertebrates:	Toxic LC/EC/IC50 > 100mg/1
Algae:	Toxic LC/EC/IC50 > 1000mg/1
Microorganisms:	Toxic LC/EC/IC50 > 1000mg/1

**Mobility** Miscible with water.  
**Persistence/degradability:** Biodegradable, oxidizes by photo-chemical reactions in air.  
**Bioaccumulation:** Not expected to bioaccumulate significantly.

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## 13. DISPOSAL CONSIDERATIONS

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**Disposal Methods:** Ensure waste disposal conforms to local waste disposal regulations.

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## 14. TRANSPORT INFORMATION

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<b>Proper Shipping Name:</b>	ETHYL METHYL KETONE	<b>UK Road Pack GR.:</b>	III
<b>UN NO.</b>	1193	<b>Subsidiary Risk:</b>	None Allocated
<b>Class No.</b>	3	<b>Hazchem Code:</b>	2YE
<b>Packing Group:</b>	II		
<b>Special Precautions:</b>	None		

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## 15. REGULATION INFORMATION

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**Poisons Schedule:** 5  
**AICS** Listed  
Dangerous Goods Initial Emergency Response Guide (SA HB76:2004) : 16

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## 16. OTHER INFORMATION

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Further Information may be obtained by contacting On-Crete Aust. Pty Ltd

4/489 Scottsdale Drive  
Varsity Lakes Qld  
Australia  
Phone 07 5593 6884 Fax 07 5593 6885

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Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and /or situations. It is the users obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Oncrete Australia Pty Ltd shall not be responsible for any damage of injury resulting from abnormal

# Material Safety Data Sheet

Page 5 of 5

use of this material, from any failure to adhere to recommendations or from any hazards inherent in the nature of the material.