

**S200, S600, S2000, S8000, S30000
D500, N350, D1000, D5000, D7500,
N4000, N100, N15000, N1000, N2000**

**MATERIAL SAFETY DATA SHEET
COLE-PARMER INSTRUMENT COMPANY**

ISSUE 1. DATE: June 2002

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: S200, S600, S2000, S8000, S30000, D500, N350, D1000, D5000, D7500, N4000, N100, N15000, N1000.
INTENDED USE / APPLICATION: High Quality Viscosity Calibration Standard.

NOTE: THIS PRODUCT SHOULD NOT BE USED FOR OTHER PURPOSE WITHOUT EXPERT ADVICE.

SUPPLIER: Cole-Parmer Instrument Company
625 East Bunker Court
Vernon Hills, Illinois 60061-1844, USA.
Tel: (800) 323 4340 / (847) 549-7600
Fax: (847) 247-2929

HEALTH AND SAFETY EMERGENCY PHONE NUMBER (800) 323 4340

**2. COMPOSITION / INFORMATION OR INGREDIENTS CONSIDERED
HAZARDOUS TO HEALTH**

This product is not hazardous to health as defined by the EC Dangerous substances/preparations directives.

CHEMICAL NAME AND SYNONYMS: Petroleum hydrocarbons and additives.

S200, S600, S2000, S8000, S30000, D500, D750, D1000, D5000, D7500, D10000, P1/13, P1/400, and P4/1000 are blended products using components with CAS Nos. 8042-47-5 & 9003-29-6 in various ratios.

3. HAZARDS IDENTIFICATION.

HUMAN HEALTH: Inhalation of vapors and/or mists might irritate respiratory tract. Prolonged skin contact will cause defatting and possible irritation. Eye contact might cause irritation.

PHYSICAL AND CHEMICAL HAZARD:

At elevated temperatures flammable vapors and decomposition products will be released.

4. FIRST AID MEASURES

GENERAL ADVICE: Handle in accordance with good industrial hygiene and safety practice.

INHALATION: If inhalation of mists, fumes or vapors occur causing irritation or nausea, move to fresh air. If the symptoms persist obtain medical advice. Material if aspirated into lungs may cause chemical pneumonitis.

SKIN CONTACT: Remove immediately adhering matter and wash off with soap and plenty of water.

EYE CONTACT: Rinse with plenty of water.

INGESTION: Clean mouth with water and drink plenty of water afterwards. Obtain medical advice if a large amount has been swallowed. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: extinguish preferably with dry chemical, carbon dioxide, or foam.

EXTINGUISHING MEDIA THAT MUST NOT BE USED FOR SAFETY REASONS: Water (stain risk caused by combustion).

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear suitable protection equipment and remove contaminated clothes as soon as possible.

ENVIRONMENTAL PRECAUTIONS: Prevent spills to enter and spread to drains, sewers, water courses and soil. Contact local safety authorities.

METHODS FOR CLEANING UP: Contain leaking product with sand, earth or other suitable inert material and collect. Disposal according to Clause 13

7. HANDLING AND STORAGE

HANDLING: Handle in accordance with good industrial hygiene and safety practices. If handled at elevated temperatures or with high-speed mechanical equipment, vapors or mists might be released and require a well-ventilated workplace.

STORAGE: Store at ambient temperature or with lowest necessary heating, as handling requires.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS: Exposure via the air and normal handling.

CHEMICAL NAME: Mineral oil.

PERSONAL PROTECTION EQUIPMENT

RESPIRATORY: No special requirements under ordinary conditions of use and with adequate ventilation.

HAND PROTECTION: Wear oil-resistant protective gloves if there is a risk of repeated skin contact.

EYE PROTECTION: Wear safety goggles if splashes may occur.

SKIN AND BODY PROTECTION: Wear protective clothing if there is a risk of skin contact and change them frequently

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Viscous liquid

COLOR: <1.0

POUR POINT: < 0 °C

INITIAL BOILING POINT: > 250 °C

FLASH POINT, PM: > 125 °C

KINEMATIC VISCOSITY: 40 °C, 100 to 22000 cSt

SOLUBILITY IN WATER: Non soluble

SOLUBILITY IN ORGANIC SOLVENTS: Soluble

DMSO EXTRACTABLE COMPOUNDS ACCORDING TO IP 346: < 3%

10 STABILITY AND REACTIVITY:

STABILITY: Stable at normal conditions,

AVOID: Excessive heating and highly oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Flammable gases, which might also be noxious. Carbon Monoxide.

11. TOXICOLOGICAL INFORMATION

LOCAL EFFECTS

INHALATION: Prolonged and repeated inhalation of mist of vapor generated at elevated temperatures may irritate respiratory tract.

ORAL: May cause nausea and eventually vomiting and diarrhoea.

SKIN CONTACT: Prolonged or repeated exposure may lead to defatting of the skin and subsequent irritation. May cause oil acne.

EYE CONTACT: May cause redness and transient pain.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS:

Not established

13. DISPOSAL RECOMMENDATIONS

Dispose of product and container carefully and responsibly. Do not allow contamination of ponds, watercourses or drains. The product should be removed by approved waste contractors for disposal in accordance with local and national legislation.

14. TRANSPORT INFORMATION

CLASSIFICATION FOR TRANSPORT: Not classified as hazardous goods for land, sea and air transport according to the respective regulations (ADR, IMDG, IATA-DGR).

15. REGULATORY INFORMATION

EU labelling:

Symbol: Not required.

Risk Phrase(s): Not applicable.

Safety phrase(s): Avoid contact with skin. If swallowed do not induce vomiting, seek medical advice immediately.

16. OTHER INFORMATION

The data and advice given only apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for application other than that stated in this information sheet might give rise to risks not mentioned in this sheet.