

Material Safety Data Sheet for *Stag Jointing Pastes A & B*

SECTION 1: IDENTIFICATION OF SUBSTANCE / PREPARATION & COMPANY

Product/Material: Jointing paste
Trade Name: RS 4138 and 4145, Stag Jointing Pastes A&B
Name of Contact: K.J.Earles
Manufacturer: Stag Ltd.
Address: Riverside way, Uxbridge, Middlesex. UB8 2YF.
Emergency Telephone No. (UK) 01895 465600

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

(A) Substances classified under CHIP (Symbol letters and Risk Phrases) Isopropanol (CAS 67-63-0) highly flammable. F R11
(B) Non-classified substances ---

SECTION 3: HAZARDS IDENTIFICATION / ADVERSE HUMAN HEALTH EFFECTS

(i) Inhalation Irritating effects on nose, throat and respiratory tract. High concentrations may cause headaches, nausea and vomiting
(ii) Skin Contact May cause irritation after prolonged exposure, defatting of the skin and possible dermatitis. Can be absorbed through skin
(iii) Eye Contact Irritation
(iv) Ingestion May cause drowsiness and unconsciousness in extreme cases
(v) Delayed effects after Exposure ---

SECTION 4: FIRST AID MEASURES

(i) Inhalation Remove from contaminated atmosphere and seek medical attention.
(ii) Skin Contact Remove contaminated clothing
(iii) Eye Contact Flush with copious amounts of water. Seek medical attention
(iv) Ingestion Do not induce vomiting. Seek medical attention

SECTION 5: FIRE & EXPLOSION HAZARD DATA

Flash Point (°C) 12°C
Flammable Limits (% by volume) Lower 2.0 : upper 12.0
Autoignition Temperature 400°C
Suitable Extinguishing Media Foam, powder, carbon dioxide
Extinguishing media that must not be used Water
Decomposition /Combustion products Carbon monoxide and carbon dioxide
Special Fire Fighting Procedures Treat as petroleum fire
Special Protective Fire Fighting equipment Full-face, positive pressure, self-contained breathing apparatus and full protective clothing

SECTION 6: ACCIDENTAL RELEASE MEASURES / SPILLS AND LEAKS

Personal Precautions Adequate ventilation. Protective gloves and eye protection
Environmental Precautions Do not allow entry to water courses or soil
Cleaning up method Absorb onto inert material, e.g. sand, and treat as solid flammable waste

SECTION 7: HANDLING & STORAGE

Precautions for Safe Handling Avoid contact with skin & eyes. Avoid inhalation of vapours
Conditions for safe Storage Store temperature 10°C - 25°C

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Standard 8 hour TWA 980 mg/m³ (400 ppm)

Occupational Exposure Standard 10 min Ref 1225 mg/m³ (500 ppm)

Precautionary Engineering Measures	In high concentration conditions, local exhaust ventilation
Respiratory Protection	If concentration likely to exceed OES, suitable organic
Hand Protection	Impervious gloves
Eye Protection	Glasses or goggles
Skin Protection	Protective overalls

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance	coloured viscous liquid
Odour	alcoholic
pH	N/A
Boiling point/Boiling range (°C)	81.5 - 83.0
Melting point/Melting range (°C)	N/A
Flash point (°C)/Method used	12°C (Abel cc)
Flammability limits	Lower 2.0 : Upper 12.0
Auto flammability	400
Explosive properties	---
Oxidising properties	---
Vapour pressure (mm Hg, @ 20°C)	32
Relative density (H ₂ O = 1)	Approx. 1.6 (Type A) and 2.0 (Type B)
Water solubility (% by weight)	---
Vapour density (air = 1)	2.07
Conductivity	N/A
Viscosity	---
Percentage volatile by volume (%)	Approx. 25% (Type A) and 10% (Type B)
Evaporation rate (butyl acetate = 1)	2.88

SECTION 10: STABILITY & REACTIVITY

Stability / Conditions to avoid	Stable under normal conditions. Avoid moisture. If stored for very long periods, esp. in hot conditions, there is a possibility gaseous build-up pressurising the container. If container is distorted, i.e. doming of lid or deformation of the can itself, then no attempt should be made to open the container
Incompatibility/Materials to avoid	Concentrated nitric and sulphuric acids, strong oxidisers,
Hazardous decomposition Products	none under normal conditions
Hazardous Polymerisation	none

SECTION 11: TOXICOLOGICAL INFORMATION

Hazardous Ingredients	See section 2
Immediate Health Effects	See Section 3
Delayed Health Effects	See Section 3
Acute Effects (short term)	See Section 3
Chronic Effects (long term)	See Section 3

SECTION 12: ECOLOGICAL INFORMATION

Environmentally dangerous ingredients	None identified
Mobility	Mid viscosity liquid
Persistence and Degradability	Readily biodegradable
Bioaccumulative Potential	Does not bioaccumulate
Aquatic toxicity	Not established
Marine Pollutant (IMDG guide)	No

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of waste materials	Consult local authority. Use licensed waste disposal Contractor
Disposal of waste containers	Consult local authority. Use licensed waste disposal Contractor
Disposal Restrictions	Environmental protection act 1990
Statutory Notification required	Yes

SECTION 14: TRANSPORT / LABEL INFORMATION

Transport Name	Flammable liquid N.O.S. (Isopropanol)
UN Number	1993
UN Packaging group	II
IMDG classification	3.2
Special precautions Re carriage	---

SECTION 15: REGULATORY INFORMATION

Supply classification	Highly flammable F, contains isopropanol R11 highly flammable S7 Keep container tightly closed S16 keep away from sources of ignition, no smoking Caution! The contents of this container are likely to blow after the normal duration of its shelf life (2 years). Great care should be taken when opening, covering the lid with a cloth
-----------------------	---

SECTION 16: ANY OTHER HEALTH & SAFETY INFORMATION

Recommended uses and restrictions see below
Source of key information used to compile SDS, CHIP regulations 1999(2). EH 40
Note: The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety legislation (e.g. the Health & Safety at Work Act of 1974; the Control of Substances Hazardous to Health Regulations 1988). 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 product's properties.

Date First Issued: 28 Feb 1994 Revision ref.: Third issue Date of Revision: May 2001

...

Trade Name or Product/Material: RS 4138 and 4145, Stag Jointing Pastes A&B