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# Material Safety Data



## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

PRODUCT NAME: **DURALAC JOINTING COMPOUND**

MANUFACTURER / SUPPLIER: Llewellyn Ryland Ltd.

ADDRESS: Haden Street, Birmingham B12 9DB, United Kingdom.

TELEPHONE : +44 (0) 121 440 2284 FAX: +44 (0) 121 440 0281  
(BUSINESS & EMERGENCY)

E-MAIL: sales@llewellyn-ryland.co.uk

INTENDED USE: As an anti-corrosive jointing compound for use between joints of dissimilar metals.

## 2. HAZARDS IDENTIFICATION



Flammable  
Harmful by inhalation and if swallowed

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>HAZARDOUS INGREDIENTS</u>	<u>CAS NO.</u>	<u>CLASSIFICATION</u>	<u>%</u>
Barium chromate	10294-40-3	X <sub>n</sub> (R20/22)	20 - 30
White spirit	64742-82-1	X <sub>n</sub> , N (R10, 65, 52/53)	15 - 25

## 4. FIRST AID MEASURES

INHALATION: In extreme cases, move the exposed person to fresh air. Keep warm and at rest and obtain medical attention.

INGESTION: DO NOT INDUCE VOMITING. Give milk or water (not if person is unconscious) and obtain prompt medical attention.

SKIN: Promptly wash affected area with soap and water. Remove contaminated clothing and wash before re-use.

EYES: Hold eyes open for at least 15 minutes under running water and obtain medical attention.

**5. FIRE-FIGHTING MEASURES**

SUITABLE EXTINGUISHING MEDIA:	Dry chemical, CO <sub>2</sub> , foam, sand and water spray.
NOT TO BE USED:	Water jet.
SPECIAL FIRE-FIGHTING PROCEDURES:	Material is flammable and may explode in a fire. Cool containers exposed to flames from the side with water until well after the fire has been extinguished. Do not allow run-off from fire-fighting to enter drains or water courses.
SPECIAL PROTECTIVE EQUIPMENT:	Suitable breathing apparatus may be required.
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon and partially oxidised organic fragments of the product's main components may be produced.

**6. ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS:	Remove all sources of ignition. Wear suitable protective clothing and avoid inhaling vapours. Provide adequate ventilation and evacuate non-essential personnel.
ENVIRONMENTAL PRECAUTIONS:	Confine spill. Do not allow product to enter sewers, rivers or open water.
CLEAN-UP METHODS:	Contain and absorb with inert material and shovel to disposal. The absorbed waste will contain solvent residues and will be flammable. Store in a well-ventilated area. Inform authorities if large amounts are involved.

**7. HANDLING AND STORAGE**

HANDLING PRECAUTIONS:	Use with care and avoid spillage. Do not eat, drink or smoke. Avoid eye and skin contact and the inhalation of vapours.
STORAGE PRECAUTIONS:	Store in a cool, dry, well-ventilated area. Keep in tightly-closed, clearly-labelled containers. Isolate from sources of heat and ignition.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

OCCUPATIONAL EXPOSURE LIMITS:	White spirit; occupational exposure limit: 550 mg/m <sup>3</sup> (long term exposure, 8 hours) (Calculated in EH40 by reciprocal calculation from OES values of white spirit constituents)
INHALATION:	Local exhaust ventilation is recommended and suitable respiratory protection may be required for the use of large quantities of this product..
SKIN:	Chemically-resistant gloves should be worn when handling this material. Skin contact should be avoided.
EYES:	Eye or face protection is recommended where a risk of splashing exists.
INDUSTRIAL HYGIENE:	High standards of industrial hygiene are required for the use of this material.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL FORM:	Liquid	COLOUR:	Yellow
ODOUR:	Organic solvent	SPECIFIC GRAVITY:	1.40 - 1.50 g/cm <sup>3</sup> (@ 25 °C)
POUR POINT:	<0 °C	BOILING POINT:	>150 °C (white spirit)
pH:	Not applicable	MISCIBILITY WITH WATER:	Immiscible
VAPOUR PRESSURE:	Not determined	VAPOUR DENSITY:	> air
AUTO-IGNITION TEMPERATURE:	232°C (white spirit)	EXPLOSIVE PROPERTIES:	lower 0.8 vol% (white spirit) upper 6.0 vol%
FLASH POINT:	Approximately 40°C (closed cup method)		

**10. STABILITY AND REACTIVITY**

CHEMICAL STABILITY:	Stable under recommended handling and storage conditions.
CONDITIONS TO AVOID:	Sources of heat and ignition.
MATERIALS TO AVOID:	Oxidising agents, strong acids and strong alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon dioxide, carbon monoxide, oxides of nitrogen and smoke may be produced if material is exposed to high temperatures.

**11. TOXICOLOGICAL INFORMATION**

*The following toxicological assessment is based on a knowledge of the toxicity of the product's components*

INHALATION:	High concentrations of vapour are irritating to the respiratory tract and the eyes and may cause headaches, dizziness, anaesthesia and other CNS effects.
INGESTION:	Ingestion of large quantities of this material may cause nausea and sickness. Small amounts of liquid aspirated during ingestion or vomiting may cause lung damage.
SKIN:	Frequent or prolonged exposure may cause skin irritation and may lead to dermatitis.
EYES:	May cause irritation to the eyes.
CHRONIC EFFECTS:	Repeated or prolonged exposure to vapours may lead to chronic upper respiratory irritation.

**12. ECOLOGICAL INFORMATION**

MOBILITY:	Mobile liquid. Contains volatile components. Insoluble in water.
PERSISTENCE AND DEGRADABILITY:	Slightly biodegradable.
BIOACCUMULATIVE POTENTIAL:	Not determined.
ECOTOXICITY:	Certain components within the product are designated as being harmful to aquatic organisms. Spills may form a film on water surfaces which may impair oxygen transfer and cause physical damage to organisms. Designated as a marine pollutant.

**13. DISPOSAL CONSIDERATIONS**

*Disposal must be in accordance with local and national legislation*

PRODUCT:	Material should be removed by approved waste contractors.
EMPTY PACKAGING:	Empty packages may contain flammable and harmful residues and should be disposed of in a manner acceptable to local authorities.

