

Material Safety Data Sheet (MSDS) FORTACLEAN 2722 THINNERS

Commercial product name: **FORTACLEAN 2722 THINNERS**

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

1.1 Product identifier

1.1.1 Commercial Product Name: **FORTACLEAN 2722 THINNERS.**

1.1.2 Product Code: **FORTACLEAN 2722 THINNERS**

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

1.2.1 Recommended use

As a paint thinners.

Only use as a paint thinners & always test suitability.

1.3 Details of the supplier of the safety data sheet

1.3.1 Supplier

International Coatings Limited
Street: Ballycorus
Town: Kiltarnan
County: Dublin 18
Country: Ireland
Telephone: +353-1-2822877/2822141
Telefax: +353-1-2822653

1.3.2 Responsible for the preparation of the Safety Data Sheet:

International Coatings Limited, Product Safety, Email: healthandsafety@mcc.ie

1.4 Emergency telephone number:

1.4.1 Telephone number, name, address

Supplier as above in 1.3.1.. Call: +353-1-2822877

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

67/548/EEC -1999/45/EC

-; R11, R20/21,R36, R38,R48,R63,R65,R66,R67.

2.2 Label elements

67/548/EEC -1999/45/EC



Irritant
Harmful



Highly flammable

2.2 Label elements, continued

67/548/EEC -1999/45/EC

R-phrases(s)

R11	Highly Flammable
R20/21	Harmful by inhalation and in contact with the skin
R36	Irritating to eyes
R38	Irritating to skin
R48	Danger of serious damage to health by prolonged exposure
R63	Possible risk of harm to the unborn child
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause drowsiness and dizziness
R67	Vapours may cause drowsiness and dizziness

S-phrases(s)

S2	Keep out of reach of children
S7	Keep container tightly closed
S9	Keep container in a well ventilated place
S16	Keep away from sources of ignition –No Smoking
S25/26	Avoid contact with skin and eyes
S29	Do not empty into drains
S33	Take precautionary measures against static discharges
S36/37	Wear suitable protective clothing and gloves

2.3 Contains: Butanone, Toluene.**2.4 Special regulations on certain preparations:****2.5 Other hazards:**

Note: Unlikely to cause harmful effects under normal conditions, handling and use. Flammable liquid. In the environment, the solvent in this product is likely to biodegrade slowly. EOH066-Repeated exposure to the solvent contained in this product may cause skin dryness or cracking. Vapours even below room temperatures can form explosive gas-air mixtures. Contaminated clothes are a fire risk.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Mixtures-Hazardous components**

CAS numbers	EINECS	Chemical name of the substance	Concentration	Warning symbol, R phrases and other information
78-93-3	201-159-0	Methyl Ethyl Ketone	0-70%	Xi, F; R11,R20/21,R66,R67
108-88-3	203-625-9	Toluene	0-70%	Xi, F; R11,R20,R38,R48,R63,R65,R67

3.2 Other information:

See section 16 for full text of R-phrases and H-statements

4. FIRST AID MEASURES**4.1 Additional advice**

In all cases of doubt, or when symptoms persist, seek medical attention

4.2 Inhalation

Inhalation of vapour may cause irritation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Seek medical attention.

4.3 Ingestion

If accidentally swallowed clean out mouth with water and drink afterwards plenty of water - obtain immediate medical attention. Keep at rest. Do not induce vomiting unless directed to do so by medical personnel.

4.4 Skin contact

In case of irritation on prolonged or repeated contact, remove any contaminated clothing. Wash skin thoroughly with soap and water or use a recognised skin cleanser for paint. If a large area of the skin is damaged or if the irritation persists, seek medical attention.

4.5 Eye contact

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

5. FIRE – FIGHTING MEASURES

5.1 Extinguishing media

5.1.1 Suitable: Apply copious amounts of alcohol resistant foam, CO₂, Dry powder or water spray.

5.1.2 Extinguishing media which must not be used for safety reasons:

Waterjet

5.2 Special exposure hazards in a fire:

Fire will produce toxic gasses of an unknown nature. Avoid breathing the smoke. Wear chemical protection suits.

5.3 Advice for fire-fighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or watercourses. Highly flammable liquid & vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas, travel a considerable distance to a source of ignition and flash back. Vapours may form explosive mixtures with air. Runoff to sewers may create fire or explosion hazard. Hot containers may explode. Do not fight fire when it reaches material. Withdraw from the fire and let it burn. Promptly isolate the scene by removing all personnel from the vicinity of the incident if there is a fire. Move people out of line-of-sight of the scene and away from all windows. Fire-fighters should wear self-contained positive breathing apparatus (SCBA) and full turnout gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Avoid breathing vapours. Exclude sources of ignitions. Contact emergency personnel.

Wear appropriate PPE, gloves, boots and goggles which are solvent resistant. If vapours persist, use a respirator. Refer to protective measures in sections 7 and 8.

6.2 Environmental precautions: Do not allow to enter drains or water courses. Inform appropriate authority of any releases to water courses. Product is toxic to fish.

6.3 Spill cleanup methods

Contain and collect spillage with non-combustible absorbent materials, e.g. sand or vermiculite and place in a container for disposal according to local regulations. Clean preferably with a detergent; avoid the use of solvents.

Note that this and similar products have a possibility of auto-ignition in porous material damped by the product. This kind of waste must be collected and stored safely, e.g. in water before disposal or be incinerated immediately.

6.4 Reference to other sections

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7. HANDLING AND STORAGE

7.1 Precautions for safe handling.

Vapours are heavier than air and may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Isolate from sources of heat, sparks and open flame. The mixture may charge electrostatically: always use earth leads when transferring from one container to another. No sparking tools should be used. Good ventilation must be provided.

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Avoid inhalation of dust from sanding. Smoking, eating and drinking should be prohibited in the application area.

Risk of self ignition! Materials such as cleaning rags and paper wipes, which have been contaminated with this product, sanding dust or overspray containing the product, may spontaneously self-ignite some time later. To avoid the risk of fires, all contaminated materials should be placed in a container soaked with water or laid out flat in a single layer to dry preferably outdoors or incinerated immediately if permitted. Contaminated materials should be removed from the workplace at the end of each working day

7.2 Conditions for safe storage, including any incompatibilities.

Keep product in original containers tightly closed in a segregated area. Store in a cool, dry, well ventilated place away from sources of ignition, heat the direct sunlight. Do not leave drums open. No smoking. Keep container tightly sealed when not in use.

8. EXPOSURE CONTROL/PERSONAL PROTECTION**8.1 Control parameters**

CAS numbers	Chemical name of the substance	STD	TWA (8HRS)	STEL EXP (15 MINS)
78-93-3	Butanone	EU ELV	200ppm/600mg/m ³	300ppm/900mg/m ³
108-88-3	Toluene	EU ELV	50ppm/192mg/m ³	100ppm/900mg/m ³

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below OEL, suitable respiratory protection must be worn.

8.2.2 Individual protection measures.**8.2.2.1 Respiratory protection**

Use appropriate certified respirators, with gas and vapour filter A, during sanding with dust filter P2, if ventilation is insufficient. During spray-application use respirators with gas, vapour and dust filter A/P3. During continuous and long-term work the use of air-fed or motor-driven respirators is recommended. During continuous and long-term work the use of motor-driven or air-fed respirators is recommended.

8.2.2.2 Hand protection

Always wear protective gloves (e.g. Nitrile rubber or neoprene). Barrier creams may also help to protect the exposed areas of the skin, however, they should not be applied once exposure has occurred. Always wash thoroughly after handling this product. Gloves should be replaced regularly. The instructions & information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Recommended protective glove types are:

Butyl rubber (breakthrough time \geq 60mins, glove thickness 0.5mm)

Laminated foil (breakthrough time $>$ 480mins)

8.2.2.3 Eye protection.

Safety eyewear must be used during application to protect against splashes of liquids. Tightly fitting goggles would be appropriate.

8.3 Skin and body protection

Protective clothing must be used during application. When necessary, wear anti-static protective clothing made of natural fibre or high temperature resistant synthetic fibre, covered by an impervious clothing material.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance: low viscosity

9.2 Colour: Clear

9.3 Odour: Odour is acetone like.

9.4 Boiling Point (°C): 80-110°C **Relative Density:** .81to.86

9.5 Flash Point (°C): -6°C

9.6 Lower Explosion limit: 1.8% - **Upper explosion limit:** 11.5 vol-%

9.7 Vapour pressure: - 8.9kPa (20°C)

9.8 Water solubility: - insoluble(20°C) **Application Viscosity:**

9.9 Further information: Evaporation rate (Di Ethyl Ether=10): approx. 33.

10. STABILITY AND REACTIVITY**10.1 Reactivity**

See section 10.5

10.2 Chemical stability

Stable under recommended storage and handling conditions

10.3 Possibility of hazardous reactions

See section 10.5

10.4 Conditions to avoid:

In confined or poorly ventilated spaces, solvent vapours may form explosive mixtures with air.

When exposed to high temperatures may produce hazardous decomposition products. Avoid heat flames and sparks.

10.5 Incompatible materials:

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions

10.6 Hazardous decomposition products

Hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. may be produced when exposed to high temperatures.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

There are no toxicological test data reports available on the product itself. In respect of the solvents in this product, no component of each solvent at levels greater than 0.1% have been identified as a carcinogen, a mutagen, as a reproductive toxin, or as teratogenic or embryotoxic.

11.1.3 Sensitisation

Contains solvents listed in section 2. May produce an allergic reaction.

11.1.8 Other information on acute toxicity

Inhalation: Long term exposure to component solvent vapours concentration in excess of occupational exposure limits may result in adverse health effect such as mucous membrane and respiratory

system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Skin contact: Repeated or prolonged contact with the preparation may cause removal of the natural fat from the skin resulting in contacting dermatitis. Splashes in the eyes may cause irritation and reversible damage.

Ingestion: Ingestion may cause gastrointestinal pain, nausea, diarrhoea and vomiting.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

12.1.1 Aquatic toxicity

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12.2 Persistence and degradability

12.2.1 Biodegradation

Ready biodegradable

12.3 Bioaccumulative potential

Low potential

12.4 Mobility in soil

Poorly absorbed into soil as is highly volatile & will evaporate rapidly.

12.5 Results of PBT and vPvB assessment

This product is not considered to be persistent, bioaccumulating nor toxic (PBT). This product is not considered to be very persistent nor very bioaccumulating (vPvB)

12.6 Other adverse effects

There is no ecotoxicological data available on the preparation itself. The product should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product residues

Gather residues into waste containers. Dispose of via an authorised/licensed waste disposal contractor to an approved waste disposal site according to the rules given by local and national authorities. EWC-code for liquid waste is e.g. 08 01 11 (waste paint and varnish containing organic solvents or other dangerous substances).

Packaging waste

Empty cans should be completely purged and be recycled or disposed of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

14.1 UN no. road:

1263

14.2 UN proper shipping name

PAINT THINNERS

14.3 Transport hazard class(es)

3

14.4 Packing group

II

Tunnel code

(D/E)

14.5 Environmental hazards

The product is not classified as environmentally hazardous according to current regulations.

14.6 Special precautions for users

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

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14.8 Further information

Road transport:

Drums/vessels < 450 litres are not subject to ADR because of viscosity

Sea transport:

Drums/vessels<30litres: Transport in accordance with paragraph 2.3.2.5 of the IMDG Code.

15. REGULATORY INFORMATION

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

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15.2 Chemical safety assessment.

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16. OTHER INFORMATION

16.1 The full text of R-phrases and /or Hazard statements (H statements) referred to under sections 2 & 3 are as follows:

Letter code of the warning symbol and indications of danger for the preparation:

Xn Harmful: Xi Irritant: F Highly Flammable.

R11 – highly flammable

R20/21 – harmful by inhalation and in contact with skin

R36 – irritating to eyes

R38 – irritating to SKIN

R48 – danger of serious damage to health by prolonged exposure

R63 – possible risk of harm to the unborn child

R65 – HARMFUL: may cause lung damage if swallowed

R66 – repeated exposure may cause skin dryness or cracking

R67 – vapours may cause drowsiness and dizziness

The information contained in this data sheet does not constitute an assessment of workplace risks.

Recommended uses and restriction: This product is designed as Surface Coatings thinners.

The data contained in this Safety Data Sheet has been prepared in accordance with Annex II (EU) No 453/2010 to Regulation (EC) No 1907/2006 (REACH)

The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for any particular applications. The information contained in this sheet does not constitute a hazard assessment, and should not be used in place of the user's own assessment of workplace of workplace risks as required by other health and safety legislation.

Our data and suggestions are based on information which we believe to be reliable. Users should verify by tests that our product, as well as suggested methods, is suitable with the product/materials being used in their application. Since specific use, materials and handling are not controlled by us, our warranty is limited to the replacement of any defective product supplied by us. Further technical support is available from our trained sales staff.