

Safety Data Sheet

CLASSIFICATION IN ACCORDANCE WITH CLP/GHS LOW ODOUR THINNERS

Product Name

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product Identifier** LOW ODOUR THINNERS
- 1.2 Relevant identified uses of the substance or mixture and uses advised against** FOR THINNING OIL COLOUR AND OIL COLOUR MEDIUMS
- 1.3 Details of the supplier** DALER-ROWNEY LTD
PEACOCK LANE
BRACKNELL
RG12 8SS
ENGLAND
Telephone: +44 (0) 1344 461000
- E-mail contact :** tom.stagles@daler-rowney.com
- 1.4 Emergency Telephone** +44(0)1344 461083 (Monday to Friday 08:00-16:00)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Physical and Chemical Hazards

Flam. Liq. 3 - H226
Human health EUH066; Asp. Tox. 1 - H304
Environment Aquatic Chronic 4 - H413

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xn;R65, R66, R53

2.2 Label Elements



2.3 Signal Word

DANGER

2.4 Hazard Statement

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H413 May cause long lasting harmful effects to aquatic life.

2.5 Supplemental information

P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.

2.6 Other hazard information

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According to European Directive 67/548/EEC as amended

Hazard symbol(s)

R-phrases(s)

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R53 May cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S23 Do not breathe gas/fumes/vapour/spray.

S24 Avoid contact with skin.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical Name

Name	Cas-No	EC No	Index- No	Classification			Conc'n %
Hydrocarbons, C11-C12, ISOALKANES, <2% Aromatics		918-167-1	01-2119472146-39	Dgr	GHS02 GHS08	H226 H304 H413	

3.2 Further Information

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Treat according to symptoms

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

Ingestion

Provide rest, warmth and fresh air. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Repeated exposure may cause skin dryness or cracking. Harmful: may cause lung damage if swallowed

4.3 Indication of immediate medical attention and special treatment needed

If swallowed, obtain immediate medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

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5.1 General Hazard THE PRODUCT IS CLASSIFIED AS FLAMABLE LIQUID

5.2 Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5.3 Extinguishing media not to be used

Do not use water jet as an extinguisher, as this will spread the fire.

5.4 Special hazards arising from the substance or mixture

Oxides of: Carbon

5.5 Advice for Fire Fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Absorb with inert, damp, non-combustible material, and then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4 Reference to other sections

Section 8 – personal protective measures

Section 13- disposal and waste

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid spilling, skin and eye contact. Provide good ventilation

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Keep in original container.

7.3 Specific end uses

Thinner for oil colour

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Eye / face protection

Wear approved safety goggles

Skin protection

Nitrile gloves are recommended

Respiratory protection

If ventilation is insufficient, suitable respiratory protection must be provided

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Other

Wear rubber apron. Wear rubber footwear

8.3 Environmental exposure controls

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical form	Liquid
Colour	Colourless
Odour	Odourless
Mol. Weight	166
Relative density	0.76kg/l
Boiling point	150 - 220 °C
Flash point	56 °C - closed cup
Ignition temperature	233 °C
Lower explosion limit	0.6 %(V)
Upper explosion limit	7 %(V)
Vapour pressure	0.1 kPa at 20 °C
Viscosity	1.23 cSt 40
Water solubility	Insoluble in water
VOC	762g/l

9.2 Other information

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No specific reactivity hazards associated with this product.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Not determined.

10.4 Conditions to Avoid

Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Materials To Avoid / Strong oxidising substances.

10.6 Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

Toxic dose 1 - LD 50 >10000 mg/kg (oral rat)

11.2 Skin corrosion/irritation

Irritating to skin. Repeated exposure may cause skin dryness or cracking.

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11.3 Serious eye damage/irritation

Irritating to eyes.

11.4 Respiratory or skin sensitisation

Irritating to respiratory system

11.5 Ingestion

May cause stomach pain or vomiting. Harmful: may cause lung damage if swallowed.

11.5 CMR effects

11.6 Other information

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute Fish Toxicity

The product contains a substance which may cause long term adverse effects in the environment.

Acute Toxicity - Fish LC0 96 hours 1000 mg/l *Onchorhynchus mykiss* (Rainbow trout)

Acute Toxicity - Aquatic

Invertebrates

EC0 48 hours 1000 mg/l *Daphnia magna*

Chronic Toxicity - Aquatic

Invertebrates

NOEC 21 days 0.097 mg/l *Daphnia magna*

12.2 Persistence and degradability

The product is easily biodegradable.

12.3 Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

The product is immiscible with water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

12.6. Other adverse effects

Not determined

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Do not puncture or incinerate even when empty.

SECTION 14. TRANSPORT INFORMATION

14.1 UN Number

3295

14.2 UN Proper Shipping Name

Hydrocarbons, Liquid, N.O.S (isoundecane & isododecane)

14.3 Transport hazard class(es)

3

14.4 Packing group

III

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14.5 Environmental hazards	3
14.6 Emergency Action Code	3YE
14.7 Hazard Identification Number	30

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the product

Classification, Labelling and packaging Regulation (EC) 1272/2008
Control of Major Accident Hazards Regulations 1999

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

SECTION 16. OTHER INFORMATION

16.1 Key to Hazard Statements In Section 3

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H413 May cause long lasting harmful effects to aquatic life

16.2 Key to Risk Phrases In Section 3

Hazard symbol(s)

R-phrase(s)

R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R53 May cause long-term adverse effects in the aquatic environment.

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirement. It should not be construed as guaranteeing specific properties
Data sheet prepared by Daler-Rowney/Technical department Prepared June 2011