



SAFETY DATA SHEET **THINNERS R1**

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010, According to Regulation (EC) No 1907/2006, Annex II

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name THINNERS R1

Product number 0500-TR01

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

Identified uses Solvent/Thinner

1.3. Details of the supplier of the safety data sheet

Supplier Dacrylate Paints Ltd,

> Lime Street. Kirkby-in-Ashfield Nottingham NG17 8AL Tel: +44 (0) 1623-753845 Fax: +44 (0) 1623-757151

Contact person sales@dacrylate.co.uk

1.4. Emergency telephone number

National emergency telephone +44 (0) 1623 753845 08:30-17:00 MON-FRI

number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 3 - H226

Health hazards STOT RE 1 - H372 Asp. Tox. 1 - H304

Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or Xn;R65. N;R51/53. R10.

1999/45/EC)

Human health Prolonged and repeated contact with solvents over a long period of time may lead to

permanent health problems.

Environmental The majority of solvents are volatile. Provide adequate ventilation to reduce build up of solvent

levels.

Physicochemical The majority of solvents can be classified as volatile organic compounds. See Section 7.2

Storage Class. See Section 5.2 Hazardous combustion products. See Section 10: Stability

and reactivity

2.2. Label elements

THINNERS R1

Pictogram







Signal word

Danger

Hazard statements

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P260 Do not breathe vapour/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with national regulations.

Contains

WHITE SPIRIT

Supplementary precautionary

statements

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge. P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P314 Get medical advice/attention if you feel unwell.

P331 Do NOT induce vomiting.

P391 Collect spillage. P405 Store locked up.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

WHITE SPIRIT 60-100%

Classification

Classification (67/548/EEC or 1999/45/EC)

Xn;R65. N;R51/53. R10.

Flam. Liq. 3 - H226 STOT RE 1 - H372 Asp. Tox. 1 - H304

Aquatic Chronic 2 - H411

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

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4.1. Description of first aid measures

General information The severity of the symptoms described will vary depending on the concentration and the

length of exposure. Move affected person to fresh air and keep warm and at rest in a position

comfortable for breathing.

Inhalation Get medical attention. Place unconscious person on their side in the recovery position and

ensure breathing can take place. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. Symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Show this Safety Data

Sheet to the medical personnel.

Ingestion Remove affected person from source of contamination. Rinse mouth thoroughly with water.

Give plenty of water to drink. DO NOT induce vomiting. Get medical attention immediately.

Skin contact Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur

after washing. Use barrier creams to prevent skin contact. Remove contaminated clothing and

rinse skin thoroughly with water.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide

apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after

washing. Show this Safety Data Sheet to the medical personnel.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue. In case

of insufficient ventilation, wear suitable respiratory equipment.

4.2. Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

Inhalation Harmful if inhaled Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion Harmful if swallowed. May cause nausea, stomach paint and vomiting.

Skin contact Skin irritation. May cause sensitisation or allergic reactions in sensitive individuals.

Eye contact May cause severe eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor
No specific recommendations. If in doubt, get medical attention promptly. In case of inhalation

of decomposition products in a fire, symptoms may be delayed. The exposed person may

need to be kept under medical surveillance for 48 hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire. Extinguish with foam, carbon

dioxide or dry powder.

Unsuitable extinguishing

media

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

5.2. Special hazards arising from the substance or mixture

Specific hazards Vapours are heavier than air and may travel along the floor and accumulate in the bottom of

containers. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. If a fire or if heated, a pressure increase will occur and the

container may burst with the risk of subsequent explosion. The product is flammable.

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Hazardous combustion products

In case of fire, toxic gases (CO, CO2, NOx) may be formed. Acrid smoke or fumes. Other pyrolysis products typical of burning an organic material. In case of fire, toxic gases (CO, CO2, NOx) may be formed. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3. In the event of a fire and/or explosion, do not breathe fumes.

5.3. Advice for firefighters

Protective actions during firefighting

Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material. Keep up-wind to avoid fumes. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken without appropriate training or involving any personal risk.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Do not handle broken packages without protective equipment. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Wash thoroughly after dealing with a spillage. No smoking, sparks, flames or other sources of ignition near spillage.

For non-emergency personnel Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear suitable respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.

For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable materials. See also the information in "For non-emergency personnel".

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

No smoking, sparks, flames or other sources of ignition near spillage. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. If involved in a fire, shut off flow if it can be done without risk. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Small Spillages: Absorb small quantities with paper towels and evaporate in a safe place. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. The accumulation of contaminated rags and application cloths may result in spontaneous combustion. This is particularly important in the case of products containing a high level of drying oils such as teak oil, linseed oil etc. Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards.

6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Usage precautions Avoid contact with skin and eyes. Eliminate all sources of ignition. Keep away from heat,

sparks and open flame. All handling should only take place in well-ventilated areas. Dust may form explosive mixture with air. Take precautionary measures against static discharges. Storage tanks and other containers must be earthed. Persons with a history of skin

sensitization problems should not be employed in any process in which this product is used.

Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use

appropriate hand lotion to prevent defatting and cracking of skin.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from oxidising materials, heat and flames. Keep container tightly closed and in a

well-ventilated place. Avoid/separate from strong acids, alkalis, oxidising and reducing agents. Observe the label precautions. Containers which have been opened must be carefully

resealed and kept upright to prevent leakage.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2. Restricted to professional

users.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

WHITE SPIRIT

Long-term exposure limit (8-hour TWA): WEL 350 mg/m3(Sk)

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment





Note: When spraying, the use of a suitable/approved respirator is advised.

Appropriate engineering

controls

No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

Eye/face protection The following protection should be worn: Chemical splash goggles. Eyewear complying with

an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if

a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves

should comply with European Standard EN374.

Other skin and body protection

Wear appropriate clothing to prevent skin contamination. Use barrier creams to prevent skin

contact.

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Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Provide

eyewash station. Provide eyewash station and safety shower. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes

contaminated.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory

protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable

for its intended use and is 'CE'-marked.

Environmental exposure

controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Keep container tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Clear liquid.

Odour Solvent.

Odour threshold Not determined.

pH Not relevant.

Melting point Not determined.

Initial boiling point and range 152 - 198°C @ 760 mm Hg

Flash point 38°C CC (Closed cup).

Evaporation rate 63 (diethyl ether = 1)

Evaporation factor Not determined.

Flammability (solid, gas) No specific test data are available.

Upper/lower flammability or

explosive limits

Lower flammable/explosive limit: 0.7% Upper flammable/explosive limit: 7%

Other flammability Not known.

Vapour pressure 0.44kPa @ °C

Vapour density Not determined.

Relative density ~ 0.8 @ @ 15°C

Bulk density Not determined.

Solubility(ies) Insoluble in water.

Partition coefficient Not available.

Auto-ignition temperature 230°C

Decomposition Temperature Not determined.

Viscosity 1.24 cSt @ 20°C

Explosive properties May form explosive mixtures with air.

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Explosive under the influence

of a flame

Not considered to be explosive.

Not determined.

Comments

Information given is applicable to the product as supplied.

9.2. Other information

Oxidising properties

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react with the product: Acids. Alkalis. Oxidising materials.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended. Further information

on correct storage: refer to Section 7.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

None under normal processing Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

Conditions to avoid

Avoid contact with strong oxidising agents. Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to conditions to heat or sources of ignition. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3. Avoid extremes of temperature and direct sunlight.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition

products

Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO2). Oxides of nitrogen. Acrid smoke or fumes. In

case of fire and/or explosion, do not breaths fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General information This product is unlikely to harm health, given normal and proper handling and hygienic

precautions. Prolonged and repeated contact with solvents over a long period may lead to

permanent health problems.

Inhalation Harmful by inhalation. Irritating to respiratory system.

Ingestion Irritating. May cause nausea, stomach pain and vomiting.

Skin contact Harmful in contact with skin. Irritating to skin.

Eye contact Harmful in contact with eyes. Irritating to eyes.

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Acute and chronic health

hazards

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Nausea, vomiting. Headache. Gas or vapour may irritate the respiratory system. Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema. EYES, NOSE AND MOUTH. Repeated exposure may cause chronic eye irritation. SKIN. Mild dermatitis, allergic skin rash.

Route of entry Inhalation Ingestion. Skin and/or eye contact Oral

Additional Information: For further information, please refer to Sections 4 and 8 respectively...

Toxicological information on ingredients.

WHITE SPIRIT

Toxicological effects Prolonged or repeated contact can defat the skin and lead to irritation, cracking

and/or dermatitis. High vapour concentrations can cause headaches, dizziness and

nausea.

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

15,001.0

Species Rat

ATE oral (mg/kg) 15,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 3,401.0

mg/kg)

Species Rat

ATE dermal (mg/kg) 3,401.0

Acute toxicity - inhalation

Acute toxicity inhalation

13,101.0

(LC₅₀ vapours mg/l)

Species Rat

ATE inhalation (vapours

13,101.0

mg/l)

Serious eye damage/irritation

Serious eye

Not Irritating

damage/irritation

Respiratory sensitisation

Respiratory sensitisation Not determined.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

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Genotoxicity - in vivo Negative.

Carcinogenicity

Carcinogenicity Not classified carcinogenic

Reproductive toxicity

Reproductive toxicity -

fertility

No information available.

Reproductive toxicity -

development

No evidence of development toxicity

Specific target organ toxicity - single exposure

STOT - single exposure No specific test data are available.

Target organs Central nervous system Vapours can cause drowsiness & dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No specific test data are available.

Aspiration hazard

Aspiration hazard No information available.

General information Prolonged and repeated contact with solvents over a long period may lead to

permanent health problems.

Inhalation Vapours may irritate throat and respiratory system and cause headache, dizziness

and dullness.

Ingestion This product is moderately irritating. Irritating. May cause nausea, stomach pain

and vomiting.

Skin contact May cause irritation.

Eye contact May cause severe eye irritation.

Route of entry Skin and/or eye contact

Target organs Central nervous system

Medical symptoms No specific information available.

SECTION 12: Ecological Information

Ecotoxicity Large quantities of the product should not be allowed to enter drains or water courses or be

deposited where it can affect ground or surface waters.

12.1. Toxicity

Ecological information on ingredients.

WHITE SPIRIT

Toxicity This product contains substances which are harmful to aquatic organisms. Do not

discharge into drains, water courses or onto the ground.

Acute toxicity - fish , LC50 96 hours < 30mg/lt (Rainbow trout) : ,

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Acute toxicity - aquatic

invertebrates

, EC50 48 hours <22 mg/lt (Daphnia magna): ,

Acute toxicity - aquatic

, EC50 72 hours < 10 mg/lt: ,

plants

Acute toxicity microorganisms , EC50 48 hours 43.98 mg/lt:,

Acute toxicity - terrestrial Not applicable.

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Biodegradation Not determined.

Ecological information on ingredients.

WHITE SPIRIT

Persistence and

degradability

Readily degradeable.

Biodegradation 75% (28 days)

12.3. Bioaccumulative potential

Bioaccumulative potential The product contains potentially bioaccumulating substances.

Partition coefficient Not available.

Ecological information on ingredients.

WHITE SPIRIT

Bioaccumulative potential Not known.

12.4. Mobility in soil

Mobility The product is insoluble in water and will spread on the water surface.

Ecological information on ingredients.

WHITE SPIRIT

Mobility The product contains volatile organic compounds (VOCs) which will evaporate

easily from all surfaces. No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

This product does not contain any substances classified as PBT or vPvB.

assessment

Ecological information on ingredients.

WHITE SPIRIT

Results of PBT and vPvB This substance is not classified as PBT or vPvB according to current EU criteria.

assessment

12.6. Other adverse effects

Other adverse effects Not known.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority. This material and its container must be disposed of in a safe way. The generation of waste should be minimised or avoided wherever possible. The company encourages the recycle, recovery and reuse of materials, wherever possible.

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Dispose of waste via a licensed waste disposal contractor. Dispose of contents/container in accordance with national regulations.

SECTION 14: Transport information

General To avoid the risk of spillage, always store and transport in a secure, upright position. Ensure

that persons transporting the product know what to do in the event of an accident or spillage.

14.1. UN number

UN No. (ADR/RID) 1300

UN No. (IMDG) 1300

UN No. (ICAO) 1300

UN No. (ADN) 1300

14.2. UN proper shipping name

Proper shipping name

(ADR/RID)

TURPENTINE SUBSTITUTE

Proper shipping name

(IMDG)

TURPENTINE SUBSTITUTE

Proper shipping name (ICAO) TURPENTINE SUBSTITUTE

Proper shipping name (ADN) TURPENTINE SUBSTITUTE

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

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ADN packing group III
ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E. S-E

ADR transport category 3

Emergency Action Code 3Y

Hazard Identification Number 30

(ADR/RID)

Tunnel restriction code

(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

National regulations Petroleum (Consolidation) Act, as amended 1984 SI 1244.

Highly Flammable Liquid Regulations 1972. Rivers (Prevention of Pollution) Act 1961.

Control of Pollution (Special Waste) Regulations 1980 (as amended).

Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18

December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of

Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as

amended).

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at

work (as amended).

Commission Regulation (EU) No 453/2010 of 20 May 2010.

Guidance Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG228.

Approved Classification and Labelling Guide (Sixth edition) L131.

Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information Product to be used in industrial and/or professional applications.

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Issued by BOD

Revision date 20/03/2015

Revision 0

SDS number 10163

Risk phrases in full R10 Flammable.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

R65 Harmful: may cause lung damage if swallowed.

Hazard statements in full H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

The product should not be used for the purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.