

Product Weatherclad White & Various
 Revision date 21 January 2021
 Revision 1



Safety Data Sheet (SDS)

according to Regulation (EC) No. 1907/2006

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

1.1 Product identifier

Product name Weatherclad White & Various
Other means of identification No information available.

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

Identified uses Paint or paint related material.
Uses advised against No uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier FSW Coatings Ltd
 Virginia
 Co Cavan
 Ireland
 Tel: 353 49854 7209
Contact person info@fsw.ie

1.4 Emergency telephone number

Emergency telephone + 353 49854 7209 (Between 0900 and 1700 hrs Monday-Friday)
National emergency telephone number Outside those hours, contact National Poisons Information Centre, Beaumont Hospital.
 Members of Public: +353 (1) 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week) Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
 Physical and chemical hazards Not classified
 Human health Not classified
 Environment Aquatic Chronic 3 - H412

2.2 Label elements

Contains Not applicable
Label in accordance with (EC) no. 1272/2008 No pictogram required
Signal word No Signal Word
Hazard statements H412 Harmful to aquatic life with long lasting effects.
Precautionary statements **Prevention**
 P273 Avoid release to the environment.
Disposal
 P501 Dispose of contents/ container to a licensed hazardous waste disposal facility in accordance with all applicable regulations.
EUH statements EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3 Other hazards

None known.

Section 3: Composition/identification of ingredients**3.1 Substance**

Not applicable.

3.2 Mixtures

Name	Product identifier	Regulation (EC) No 1272/2008	%
titanium dioxide	CAS-No.: 13463-67-7 EC No.: 236-675-5		10-15%
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	CAS-No.: 14807-96-6 EC No.: 238-877-9		1-5%
diiron trioxide	CAS-No.: 1309-37-1 EC No.: 215-168-2		<0.1%
2,2'-oxydiethanol	CAS-No.: 111-46-6 EC No.: 203-872-2 REACH Reg No.: 01-2119457857-21-0000	Acute Tox 4 - H302, STOT RE 2 - H373	<0.1%
diuron (ISO) 3-(3,4-dichlorophenyl)-1,1-dimethylurea	CAS-No.: 330-54-1 EC No.: 206-354-4	Acute Tox 4 - H302, Carc. 2 - H351, STOT RE 2 - H373, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	<0.1%
2-aminoethanol	CAS-No.: 141-43-5 EC No.: 205-483-3 REACH Reg No.: 01-2119486455-28-0030	Acute Tox 4 - H302, Acute Tox 4 - H312, Acute Tox 4 - H332, Skin Corr. 1B - H314, STOT SE 3 - H335, Aquatic Chronic 3 - H412	<0.1%
2,2',2''-nitrilotriethanol	CAS-No.: 102-71-6 EC No.: 203-049-8 REACH Reg No.: 01-2119486482-31-XXXX		<0.1%
zinc oxide	CAS-No.: 1314-13-2 EC No.: 215-222-5 REACH Reg No.: 01-2119463881-32-0000	Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	<0.1%
MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica	CAS-No.: 12001-26-2 EC No.:		<0.1%

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

diuron (ISO) 3-(3,4-dichlorophenyl)-1,1-dimethylurea: M = 10.

2-aminoethanol: Specific Concentration Limit - STOT SE3 / H335; >= 5.

This mixture is not classified as a carcinogen due to the liquid state of the product. H351 as related to Titanium Dioxide is only applicable in powdered form.

Section 4: First aid measures**4.1 Description of first aid measures****General information**

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor.

Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort or breathing difficulties develop.

Ingestion

Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. Avoid contaminating unaffected eye.

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	Inhalation of mist or vapor may cause respiratory tract irritation.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin reaction.
Eye contact	Prolonged contact may cause redness and/or tearing.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician	Treat symptomatically.
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Section 5: Fire-fighting measures**5.1 Extinguishing media**

Extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. Use: Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media	High volume water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	When heated, vapours/gases hazardous to health may be formed.
Unusual fire & explosion hazards	No unusual fire or explosion hazards noted.
Specific hazards	In case of fire, toxic gases may be formed (COx). Avoid breathing fumes.

5.3 Advice for firefighters

Special fire fighting procedures	Avoid breathing fire vapours. Keep up-wind to avoid fumes. Fight advanced or massive fires from safe distance or protected location. Ventilate closed spaces before entering them. Containers close to fire should be removed or cooled with water.
Protective equipment for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for firefighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Do not smoke, eat or drink while using this product. Wash hands after use.
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency, local authority or other appropriate regulatory body. Do not discharge into drains, water courses or onto the ground.
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6.3 Methods and material for containment and cleaning up

Spill clean up methods	Stop leak if possible without risk. Wear necessary protective equipment. Absorb spillage with non-combustible, absorbent material. Ensure that waste is collected and removed from the work area in a suitably labelled container. Wash thoroughly after dealing with a spillage.
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6.4 Reference to other sections

Reference to other sections	See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.
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Section 7: Handling and storage

7.1 Precautions for safe handling

Handling

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Do not use contact lenses. Keep away from heat, sparks and open flame. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Ensure adequate ventilation. Do not eat, drink or smoke when using the product. Do not handle broken packages without protective equipment

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep upright. Keep out of reach of children. Keep container tightly sealed when not in use. Store away from direct sunlight or sources of ignition. Store away from other chemicals. Bags or containers, which are opened, must be carefully resealed to prevent leakage. Keep upright, locked up and out of reach of children.

Storage class

Unspecified storage.

7.3 Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.

Usage description

Use only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection

8.1 Control parameters

Component	STD	TWA (8 Hrs)	STEL (15mins)	Notes
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	OEL	10 mg/m ³		
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	OEL	0.8 mg/m ³		
titanium dioxide	OEL	10 mg/m ³		
titanium dioxide	OEL	4 mg/m ³		
diiron trioxide	OEL	5 mg/m ³	10 mg/m ³	
diiron trioxide	OEL	10 mg/m ³		
diiron trioxide	OEL	4 mg/m ³		
2,2'-oxydiethanol	OEL	23 ppm	100 mg/m ³	
diuron (ISO) 3-(3,4-dichlorophenyl)--,1-dimethylurea	OEL	10 mg/m ³		
2-aminoethanol	OEL	1 ppm	2.5 mg/m ³	3 ppm 7.6 mg/m ³ Sk, IOELV
2,2',2''-nitrilotriethanol	OEL	5 mg/m ³		
zinc oxide	OEL	2 (R) mg/m ³		10 mg/m ³
MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica	OEL		3(R) mg/m ³	

Ingredient comments

Ireland, Occupational Exposure Limits 2020.

8.2 Exposure Controls

Protective equipment



Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

Respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator and suitable respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as CEN (EU). Use respiratory protective components with

Hand protection	combined A/B/E/KP filter(s) for organic/inorganic/acid/ammonia and particulates. For prolonged or repeated skin contact use suitable chemical protective gloves. Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Where hand contact with the product may occur the use of gloves approved to relevant standards (EN374), is recommended. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Suggested material: Nitrile rubber gloves. Minimum layer thickness: 0.33 mm. Breakthrough time: > 480 min Suggested material: Chloroprene. Minimum breakthrough time / gloves: 480 min. Minimum layer thickness: 0.6 mm. Consult manufacturer for specific advice.
Eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable. Eye protection equipment should be tested and approved according to regulations applicable, like EN 166 (EU).
Other protection	Wear appropriate clothing to prevent skin contact. Protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. The selected clothing must satisfy the European norm standard EN 943.
Hygiene measures	Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Take off immediately all contaminated clothing. Avoid contact with skin, eyes and clothing.
Process conditions	Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	White and various colours.
Odour	Faint odour.
Odour threshold - lower	No information available as testing has not been completed.
Odour threshold - upper	No information available as testing has not been completed.
pH-Value, Conc. Solution	7.5 - 9.0
pH-Value, Diluted solution	No information available as testing has not been completed.
Melting point	May start to solidify at the temperatures below 2°C. This is based on data for the following ingredient: water
Initial boiling point and boiling range	38 °C
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability state	Non flammable
Flammability limit - lower(%)	No information available as testing has not been completed.
Flammability limit - upper(%)	0%
Vapour pressure	Highest known value: 3.2 kPa (23.8 mm Hg) (at 20°C) (water). Weighted average: 3.12 kPa (23.4 mm Hg) (at 20°C)
Vapour density (air=1)	Highest known value: 7.5 (Air = 1) (isobutyric acid, monoester with 2,2, 4-trimethylpentan-1,3-diol).
Relative density	1.26 +/- 0.02
Bulk density	No information available as testing has not been completed.
Solubility	Partially soluble in cold water.
Decomposition temperature	Stable under normal handling and storage conditions

Partition coefficient; n-Octanol/Water	No information available as testing has not been completed.
Auto ignition temperature (°C)	Not applicable.
Viscosity	Kinematic (40°C): >0.21 cm ² /s
Explosive properties	Not classified as explosive.
Oxidising properties	The product does not meet the criteria to be classified as oxidising.

9.2 Other information

Molecular weight	No information available as testing has not been completed.
Volatile organic compound	11.00 g/litre
Other information	Weight Solids: 44.0% +/- 1.0% Volume solids: 30.0% +/- 1.0%

Section 10: Stability and reactivity**10.1 Reactivity**

Reactivity	Reactions may occur with strong oxidizing agents and acids. Alkali.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3 Possibility of hazardous reactions

Hazardous reactions	For information on hazardous reaction see section 10.1.
Hazardous polymerisation	Unknown.
Polymerisation description	Unknown.

10.4 Conditions to Avoid

Conditions to avoid	Avoid exposure to extremes of temperature. Avoid heat, flames and other sources of ignition.
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10.5 Incompatible materials

Materials to avoid	Do not mix with other chemicals unless listed on directions. Acids, alkalies, oxidising agents.
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10.6 Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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Section 11: Toxicological information**11.1 Information on toxicological effects**

Toxicological information	No toxicological information for the overall finished product.
Acute toxicity (Oral LD50)	No information available as testing has not been completed.
Acute toxicity (Dermal LD50)	No information available as testing has not been completed.
Acute toxicity (Inhalation LD50)	No information available as testing has not been completed.
Serious eye damage/irritation	Prolonged or repeated contact may cause irritation.
Skin corrosion/irritation	The product is not classified as a skin corrosion/irritation hazard.
Respiratory sensitisation	The product is not classified as a respiratory hazard.
Skin sensitisation	The product is not classified as a skin sensitisation hazard.

Germ cell mutagenicity	The product is not classified as a mutagen.
Carcinogenicity	The product is not classified as a carcinogen hazard.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	The product is not classified as a single exposure specific target organ toxin.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	The product is not classified as a repeat exposure specific target organ toxin.
Inhalation	Inhalation of mist or vapor may cause respiratory tract irritation.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin reaction.
Eye contact	Prolonged contact may cause redness and/or tearing.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product. Avoid pouring into drains or waterways. Avoid contaminating the ground or water with waste. Where practical, waste or surplus material should be recovered and recycled.
Routes of entry	Eyes, skin, ingestion or inhalation.
Target organs	Eyes, skin, digestive system, respiratory system.
Aspiration hazards:	The product is not classified as an aspiration hazard.
Reproductive toxicity:	The product is not classified as a reproductive hazard.

Name	LD50 oral	LD50 dermal	LD50 inhalation
MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica	500.00mg/kg Rat		
2-aminoethanol	1515.00mg/kg Rat	2504.00mg/kg Rabbit	
2,2',2''-nitrilotriethanol	6400.00mg/kg Rat	>2000.00mg/kg Rabbit	

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish	No information available as testing has not been completed.
Acute toxicity - Aquatic invertebrates	No information available as testing has not been completed.
Acute toxicity - Aquatic plants	No information available as testing has not been completed.
Acute toxicity - Microorganisms	No information available as testing has not been completed.
Chronic toxicity - Fish	No information available as testing has not been completed.
Chronic toxicity - Aquatic invertebrates	No information available as testing has not been completed.
Chronic toxicity - Aquatic plants	No information available as testing has not been completed.
Chronic toxicity - Microorganisms	No information available as testing has not been completed.
Ecotoxicity	The product contains a substance which is harmful to aquatic life with long lasting effects.
Eco toxicological information	The product contains a substance which is harmful to aquatic organisms.

12.2 Persistence and degradability

Degradability	The degradability of the product has not been stated.
Biological oxygen demand	No information available as testing has not been completed.
Chemical oxygen demand	No information available as testing has not been completed.

12.3 Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Bioaccumulation factor	No information available as testing has not been completed.
Partition coefficient; n-Octanol/Water	No information available as testing has not been completed.

12.4 Mobility in soil

Mobility	Partially soluble in cold water.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment The product does not contain any PBT or vPvB Substances.

12.6 Other adverse effects

Other adverse effects None known.

Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
titanium dioxide		EC50 48 Hours >1000.00mg/l Daphnia magna	
diuron (ISO) 3-(3,4-dichlorophenyl)-,1-dimethylurea	LC50 96 Hours 14.70mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 1.40mg/l Daphnia magna	EC50 72 Hours 0.02mg/l Scenedesmus Subspicatus
octhilinone (ISO) 2-octyl-2H-isothiazol-3-one	LC50 96 Hours 0.02mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 0.42mg/l Daphnia magna	72 Hours 0.08mg/l Scenedesmus Subspicatus
zinc oxide	LC50 96 Hours 0.14mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 0.17mg/l Daphnia magna	
2-aminoethanol	LC50 96 Hours 114.00mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 65.00mg/l Daphnia magna	EC50 72 Hours 2.50mg/l Senastrum Capricornutum
2,2',2''-nitrilotriethanol	LC50 96 Hours 11800.00mg/l Pimephales promelas (Fat-head Minnow)	NOEC 21 days 16.00mg/l Daphnia magna	EC50 72 Hours 216.00mg/l Scenedesmus Subspicatus

Section 13: Disposal considerations**Waste management**

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Avoid pouring into drains or waterways. Avoid contaminating the ground or water with waste. Where practical, waste or surplus material should be recovered and recycled.

13.1 Waste treatment methods**Disposal methods**

Dispose of waste and residues in accordance with local authority requirements, and national and local regulations. Do not discharge to drains. Empty containers and clean out appropriately before reuse or disposal. Packaging that cannot be cleaned should be disposed of via an appropriately licensed waste contractor.

Section 14: Transport information**14.1 UN number**

UN no. (ADR) Not applicable.
UN no. (IMDG) Not applicable.
UN no. (IATA) Not applicable.

14.2 UN proper shipping name

ADR proper shipping name Not applicable.
IMDG proper shipping name Not applicable.
IATA proper shipping name Not applicable.

14.3 Transport hazard class(es)

ADR class Not applicable.
IMDG class Not applicable.
IATA class Not applicable.

Transport labels Not applicable

14.4 Packing group

ADR/RID/ADN packing group Not applicable.
IMDG packing group Not applicable.
IATA packing group Not applicable.

14.5 Environmental hazards

ADR	No
IMDG	No
IATA	No

14.6 Special precautions for user

EMS	Not applicable.
Emergency action code	Not applicable.
Hazard no. (ADR)	Not applicable.
Tunnel restriction code	Not applicable.

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code

Not applicable.

Section 15: Regulatory information**15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

EU legislation	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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 830/2015 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Approved code of practice	2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)
Chemical safety assessment	No chemical safety assessment has been carried out.

Section 16: Other information

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	This is a first issue.
Revision date	21 January 2021
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

H411	Toxic to aquatic life with long lasting effects.
H319	Causes serious eye irritation.
H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure .
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
H301	Toxic if swallowed.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H330	Fatal if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure .
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Disclaimer

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.