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

1.1 Product identifier

Trade name/designation: Derbibond NT Adhesive.

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

Relevant identified uses: Adhesive.

1.3 Supplier details

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton, St Helens, Merseyside, United Kingdom, WA9 4JG
Tel: +44 (0)1744 648400
e-mail: technical@alumascroofing.com

1.4 Emergency telephone number

Association / Organisation:National Poisons Information Service
Emergency telephone numbers:0344 892 0111 (Healthcare professionals only)
Other emergency telephone numbersAlumasc Building Products: +44 17 4464 8400
(Mon-Thurs – 08.30-17.00 Fri – 08.30-16.00)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Considered a hazardous mixture according to Reg. (EC) No 1272/2008 and their amendments. Classified as Dangerous Goods for transport purposes.

Classification according to Regulation (EC) No. 1272/2008 [CLP][1]:
Aquatic Chronic 3H412.
Full text of H- and EUH-statements: see section 16.

2.2 Label elements

Hazard pictures:	Not applicable.
Signal word:	Not applicable.
Hazard statements:	H412 - Harmful to aquatic life with long lasting effects.
Supplementary statements:	Not applicable.
Precautionary statements prevention:	P273 - Avoid release to the environment.
Precautionary statements response:	Not applicable.
Precautionary statements storage:	Not applicable.
Precautionary statements disposal:	P501 - Dispose of contents and container to an approved waste disposal plant.

2.3 Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.
Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

3.1 Substances

Not applicable.

3.2 Mixtures

1. CAS No 2. EC No 3. Index No 4. REACH No	% [weight]	Name	Classified according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567	Nanoform Particle Characteristics
1. 8030-78-2 2. 232-447-4 3. Not available 4. 2119970170-45-xxxx	≤ 0,5	Quaternary Ammonium Compounds, Trimethyltallow Alkyl, Chlorides	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1C, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410	Not available

Full text of H- and EUH-statements: see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Additional advice: First aider: Pay attention to self-protection!. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.

Eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. In case of doubt or persistent symptoms, consult always a physician.

Skin contact: Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.

Inhalation: Remove casualty to fresh air and keep warm and at rest. In case of doubt or persistent symptoms, consult always a physician.

Ingestion: Do NOT induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Skin contact: Not expected to present a significant skin hazard under anticipated conditions of normal use.

Eyes contact: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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

Treat symptomatically.

5. FIRE-FIGHTING MEASSURES

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO_2), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media; Strong water jet.

5.2 Special hazards arising from the substance or mixture

Fire incompatibility:
None known.

5.3 Advice for fire-fighters

Firefighting instructions:	Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.
Protection during firefighting:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
Other information:	Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

6. ACCIDENTIAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

For non-emergency personnel:	Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Avoid contact with skin, eyes and clothing.

6.1.2 For emergency responders

For emergency responders:	Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2 Environmental Precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:	Stop leak if safe to do so. Dam up the liquid spill. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation.

6.4 Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see Section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling:	Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment.
Hygiene measures:	Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures:	Ensure equipment is adequately earthed.
Storage conditions:	Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage.
Heat and ignition sources:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep out of direct sunlight.
Packaging materials:	Keep only in the original container.

7.3 Specific end uses(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Additional information: Recommended monitoring procedures :. Personal air monitoring. Room air monitoring

8.2 Exposure controls

8.2.1. Appropriate engineering Controls:	Provide adequate ventilation. Provide sufficient air exchange and/or exhaust in work rooms. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Take precautionary measures against static discharges. Organisational measures to prevent /limit releases, dispersion and exposure. Reference to other sections 7.
8.2.2. Personal protection:	
Eye and face protection:	During splash contact: Use eye protection according to EN 166, designed to protect against liquid splashes.
Skin protection:	See Hand Protection below.
Hands:	Repeated or prolonged exposure: Protective gloves complying with EN 374. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves
Body protection:	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection:	Usually no personal respirative protection necessary. In case of insufficient ventilation, wear suitable respiratory equipment. full face mask (DIN EN 136). Half-face mask (DIN EN 140). Filter type: A (EN141).
Environmental exposure controls:	Do not allow to enter into surface water or drains. Comply with applicable Community environmental protection legislation.

8.2.3. Environmental exposure controls

See Section 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important health, safety and environmental information

Physical state	: Liquid
Appearance	: Viscous liquid.
Colour	: Black.
Odour	: Characteristic.

Odour threshold	:	No data available
pH	:	Not applicable
Relative evaporation rate (butylacetate=1)	:	No data available
Melting / freezing point	:	No data available
Freezing point	:	No data available
Initial boiling point and boiling range	:	250 – 270 °C
Flash point	:	> 200 °C
Auto-ignition temperature	:	> 300 °C
Decomposition temperature	:	> 300 °C
Flammability (solid, gas)	:	Not applicable,liquid
Vapour pressure	:	No data available
Vapour density	:	No data available
Relative density	:	1,15
Solubility	:	No additional information available. Water: No data available
Partition coefficient n-octanol/water	:	No data available
Kinematic viscosity	:	12000 mm²/s (@ 40°C)
Dynamic viscosity	:	No data available
Explosive properties	:	Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	:	Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	:	No data available
Particle size	:	Not applicable
Particle size distribution	:	Not applicable
Particle shape	:	Not applicable
Particle aspect ratio	:	Not applicable
Particle aggregation state	:	Not applicable
Particle agglomeration state	:	Not applicable
Particle specific surface area	:	Not applicable
Particle dustiness	:	Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No additional information available.

9.2.2 Other safety characteristics

Relative evaporation rate (butylacetate=1)
No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Handling and storage . Reference to other Section 7.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

When heated to decomposition, emits dangerous fumes. Hazardous decomposition products due to incomplete combustion. Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Not classified (Based on available data, the classification criteria are not met)

Quaternary ammonium compounds, Trimethyltallow Alkyl, Chlorides (8030-78-2)	
LD50/oral/rat	1260 mg/kg
LD50/dermal/rabbit	≤ 4000 mg/kg

Skin corrosion/irritation: Not classified (Based on available data, the classification criteria are not met)
pH: Not applicable
Serious eye damage/irritation: Not classified (Based on available data, the classification criteria are not met)
pH: Not applicable
Respiratory or skin sensitisation: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity: Not classified
(Based on available data, the classification criteria are not met)
Carcinogenicity: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard: Not classified (Based on available data, the classification criteria are not met)

Derbibond NT	
Kinematic viscosity	12000 mm²/s (@ 40°C)

Other information:
Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties:
The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

11.2.2 Other information

Symptoms related to the physical, chemical and toxicological characteristics, For further information see Section 4.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Environmental properties:
Harmful to aquatic life with long lasting effects. According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".

Hazardous to the aquatic environment, short–term (acute): Not classified.
Hazardous to the aquatic environment, long–term (chronic): Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulative potential

Derbibond NT	
Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	No additional information available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Derbibond NT	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Results of PBT assessment	No data available

12.6 Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties:
The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation
(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

12.7 Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal Considerations:	Disposal of this product and its packaging must comply with all applicable environmental protection and waste disposal legislation, including any requirements set by local authorities. Any unwanted or non-recyclable material should be disposed of through a licensed waste disposal contractor. Transportation of such waste may be subject to ADR (International Carriage of Dangerous Goods by Road) regulations and must be managed in accordance with those requirements.
Waste code:	08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
Special precautions:	This material and its container must be disposed of in a safe way. Caution should be exercised when handling empty containers that have not been properly cleaned or rinsed, as they may retain hazardous residues. Spillage and wash water from cleaning tools must be prevented from entering soil, watercourses, drains, or sewer systems. Empty containers should be directed to authorised waste disposal or appropriate local recycling facilities.

Further information available via:	https://www.alumascroofing.com/downloads/disposal-guides/

14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / AND:

ADR	IMDG	IATA	ADN	RID
14.1 UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2 UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3 Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4 Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5 Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6 Special precautions for user

Special precautions for user:	No data available.
- Overland transport	Not applicable.
- Transport by sea	Not applicable.
- Air transport	Not applicable.
- Inland waterway transport	Not applicable.
- Rail transport	Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Code: IBC
No data available.

15. REGULATORY INFORMATION

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

15.1.1 EU-Regulations
The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 — Derbibond NT
Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances.

15.2 Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

For the following substances of this mixture a chemical safety assessment has been carried out
Quaternary ammonium compounds, Trimethyltallow Alkyl, Chlorides

16. OTHER INFORMATION

Full text risk and hazard codes:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C

SDS version summary:

Version	Date of Update	Section Updated
5.0	10/08/2023	Template Change
5.1	27/05/2025	Section 13 update

Definitions and abbreviations:

ABM = Algemene beoordelingsmethodiek
ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
BTT = Breakthrough time (maximum wearing time)
DMEL = Derived Minimal Effect level
DNEL = Derived No Effect Level
EC50 = Median Effective Concentration
EL50 = Median effective level
ErC50 = EC50 in terms of reduction of growth rate
ErL50 = EL50 in terms of reduction of growth rate
EWC = European waste catalogue
LC50 = Median lethal concentration
LD50 = Median lethal dose
LL50 = Median lethal level
NA = Not applicable
NOEC = No observed effect concentration
NOEL: no-observed-effect level
NOELR = No observed effect loading rate
NOAEC = No observed adverse effect concentration
NOAEL = No observed adverse effect level
N.O.S. = Not Otherwise Specified
OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
PNEC = Predicted No Effect Concentration
Quantitative structure-activity relationship (QSAR)
STOT = Specific Target Organ Toxicity
TWA = time weighted average
VOC = Volatile organic compounds
WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Classification according to Regulation (EC) No. 1272/2008 [CLP]
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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