

SAFETY DATA SHEET

Nordic Anti-Graffiti Coating CLEAR

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

1.1. Product identifier

Product name NORDIC AGC CLEAR

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

Identified uses Sprayable/Brushable Coating

1.3. Details of the supplier of the safety data sheet

Supplier Nordic Products and Services Ltd
Church Road, Stockton-On-Tees, TS18 2HN.
01642 678015
Customer.services@nordicps.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 1642 678015 (office hours only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Classification (EC 1272/2008)

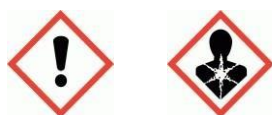
Physical hazards Not Classified

Health hazards Skin Sens. 1 - H317 Asp. Tox. 1 -H304

Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H304 May be fatal if swallowed and enters airways. H317
May cause an allergic skin reaction.

Precautionary statements P280 Wear protective gloves.
P501 Dispose of contents/ container in accordance with national regulations.

Contains HYDROCARBONS, C11-C14, isoalkanes, cyclics, <2% aromatics, METHYL-0,0',0"-BUTAN- 2-ONE-TRIOXIMOSILANE, BUTANONE OXIME VINYLSILANE, 3-(2-AMINOETHYLAMINO)- PROPYLTRIMETHOXYSILANE

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

AGC

HYDROCARBONS, C11-C14, isoalkanes, cyclics, <2% aromatics 10-30%

CAS number: — EC number: 927-285-2

Classification
Asp. Tox. 1 - H304

METHYL-0,0',0"-BUTAN-2-ONE-TRIOXIMOSILANE 1-5%

CAS number: 22984-54-9 EC number: 245-366-4

Classification
Eye Irrit. 2 - H319
Skin Sens. 1 - H317
STOT RE 2 - H373

BUTANONE OXIME VINYLSILANE <1%
CAS number: 2224-33-1 EC number: 218-747-8

Classification
Eye Dam. 1 - H318
Skin Sens. 1 - H317
STOT RE 2 - H373

3-(2-AMINOETHYLAMINO)-PROPYLTRIMETHOXYSILANE

<1%

CAS number: 1760-24-3

EC number: 217-164-6

<p>Classification Acute Tox. 4 - H332 Eye Dam. 1 - H318 Skin Sens. 1 - H317</p>

DIOCTYL TIN DILAUATE

<1%

CAS number: 3648-18-8

EC number: 222-883-3

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<p>Classification Repr. 2 - H361 STOT RE 2 - H373</p>

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. DO NOT induce vomiting. Get medical attention immediately. Danger of aspiration.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Ingestion	If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions.

Skin contact Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin reaction.

Eye contact May cause temporary eye irritation.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray. 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 No unusual fire or explosion hazards noted.

Hazardous combustion Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or products vapours.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes.

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 In case of spills, beware of slippery floors and surfaces. Wear appropriate protective clothing.

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 Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with eyes and prolonged skin contact. Provide adequate ventilation.

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.

Storage class Miscellaneous hazardous material storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section

1.2. Usage description Sprayable/Brushable Coating

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters Occupational exposure limits

DIOCTYL TIN DILAURATE

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m³

Short-term exposure limit (15-minute): WEL 0.2 mg/m³

as Sn

WEL = Workplace Exposure Limit

METHYL-0,0',0"-BUTAN-2-ONE-TRIOXIMOSILANE (CAS: 22984-54-9)

DNEL Workers - Inhalation; Long term systemic effects: 0.988 mg/m³
 Workers - Dermal; Long term systemic effects: 0.14mg/kg/day
 General population - Inhalation; Long term systemic effects: 0.174 mg/m³
 General population - Dermal; Long term systemic effects: 0.05 mg/kg/day
 General population - Oral; Long term systemic effects: 0.05mg/kg/day

PNEC - Fresh water; 0.26 mg/l
 - marine water; 0.026 mg/l
 - Intermittent release; 0.12 mg/l
 - STP; 10 mg/l
 - Sediment (Freshwater); 1.02 mg/kg
 - Sediment (Marinewater); 0.102 mg/kg
 - Soil; 0.05 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.



Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166.

AGC

Hand protection	Use protective gloves. 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.
Hygiene measures	Wash 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties Appearance

Viscous liquid.

Colour Various colours.

Odour Mild (or faint).

Odour threshold No data available. pH

Not applicable.

Melting point EC No.: 927-285-2: < -60°C

Initial boiling point and range EC No.: 927-285-2: >185 - <255°C @ 1013hPa Flash

point EC No.: 927-285-2: 67°C Closed cup.

Evaporation rate Not applicable. Evaporation

factor Not applicable.

Upper/lower flammability or Lower flammable/explosive limit: EC No.: 927-285-2: 0.5 % Upper flammable/explosive limit: explosive limits EC No.: 927-285-2: 5 %

Vapour pressure EC No.: 927-285-2: 0.035 kPa @ 20°C Vapour

density No data available.

Relative density 0.93 @ 20°C Solubility(ies)

Insoluble in water.

Partition coefficient Not applicable.

Auto-ignition temperature EC No.: 927-285-2: 232°C Decomposition

Temperature Not determined.

Viscosity ≤ 50 P @ 20°C

Explosive properties Not applicable.

Oxidising properties The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information Other information

Not known.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition Does not decompose when used and stored as recommended. Thermal decomposition or products combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects There are no data available on this product.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation The product contains small amounts of sensitising substances which may cause an allergic reaction in sensitive individuals.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

AGC

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard The product is classified as having an aspiration hazard.

Inhalation May cause lung injury. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Ingestion Harmful: may cause lung damage if swallowed.

Skin contact May cause skin sensitisation or allergic reactions in sensitive individuals. Prolonged contact may cause dryness of the skin.

Eye contact May cause temporary eye irritation. Medical considerations Skin disorders and allergies.

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity There are no data for the product.

12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not applicable.

12.4. Mobility in soil

Mobility The product is insoluble in water.

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

12.6. Other adverse effects Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	When handling waste, the safety precautions applying to handling of the product should be considered.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	HP5 STOT / Aspiration toxicity Recommended EWC Code 08 04 09*

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number Not applicable.

14.2. UN proper shipping name Not applicable.

14.3. Transport hazard class(es) No transport warning sign required.

14.4. Packing group Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.
Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Regulation (EC) 1907/2006 REACH (as amended). Regulation (EC) 1272/2008 CLP (as amended).

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	General review
Revision date	01/06/2020
Hazard statements in full	H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H373 May cause damage to organs (Blood) through prolonged or repeated exposure if swallowed. H373 May cause damage to organs (Blood) through prolonged or repeated exposure if swallowed.

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.