


MATERIALS SAFETY DATA SHEET

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PRODUCT		NovaBond AGC – Adhesive & Grease Cleaner		


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

- **1.1 Product identifier**
- Trade name: **NovaBond ADC – Adhesive & Grease Cleaner**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**
 - SU21 Consumer uses: Private households / general public / consumers
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture** Degreasing agent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 - Innova Solutions Lower
 - Draught Gates Farm
 - Burnley Rd
 - Trawden
 - Lancs
 - BB8 8PW
- enquiries@innovasolutions.co.uk
- **Further information obtainable from:**
 - Innova Solutions Ltd
 - Tel: +44(0)1282 867390 Fax: +44(0)1282 861077

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 - Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 - Xn; Harmful
 - R65: Harmful: may cause lung damage if swallowed.
- **Information concerning particular hazards for human and environment:**
 - The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
 - The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **2.2 Label elements**
- **Labelling according to EU guidelines:**
 - The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
 - Observe the general safety regulations when handling chemicals.
- **Hazard-determining components of labelling:**
 - Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
- **Safety phrases:**
 - 23 Do not breathe vapour/spray.
 - 25 Avoid contact with eyes.
 - 29 Do not empty into drains.
 - 51 Use only in well-ventilated areas.
 - 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
- **2.3 Other hazards** The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 2)
GB

· Dangerous components:

EC number: 926-141-6 Reg.nr.: 01-2119456620-43	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics  Xn R65  R66  Asp. Tox. 1, H304	75-100%
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- **Ingredients according to Detergents Regulation 648/2004/EC**
For the wording of the listed risk phrases refer to section 16.

<i>Aliphatic hydrocarbons</i>	≥ 30%
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SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Use only in well ventilated areas.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Provide solvent resistant, sealed floor.

Information about storage in one common storage facility: Not required.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

34590-94-8 (2-methoxymethylethoxy)propanol (2.5-5%)

WEL (Great Britain) Long-term value: 308 mg/m³, 50 ppm
Sk

IOELV (European Union) Long-term value: 308 mg/m³, 50 ppm Skin

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures: Avoid close or long term contact with the skin. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols.

Respiratory protection:

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands: Use PVC or rubber gloves only in case of direct contact with the product

Material of gloves

PVC gloves Rubber gloves

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR
PVA gloves

Not suitable are gloves made of the following materials: Strong material gloves

Eye protection:



Safety glasses

Body protection: Protective work clothing

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Liquid
Colour: Colourless
Odour: Solvent-like

· pH-value: Not determined.

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 189 °C

· Flash point: > 55 °C

· Flammability (solid, gaseous): Not applicable.

- Ignition temperature: 230 °C
- Decomposition temperature: Not determined.
- Self-igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Explosion limits:
 - Lower: 0.6 Vol %
 - Upper: 6.0 Vol %
- Vapour pressure at 20 °C: 0.1 hPa
- Density at 20 °C: 0.8 g/cm³
- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with water: Insoluble.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
 - Dynamic: Not determined.
 - Kinematic: Not determined.
- Solvent content:
 - Organic solvents: 100.0 %
- 9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: No dangerous reactions known.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral	LD50	>5000 mg/kg (Rat) (OECD 401)
Dermal	LD50	>5000 mg/kg (Rabbit) (OECD 402 (24 h))
Inhalative	LC50/ 8 h	>5000 mg/m3 (Rat) (OECD 403)

Primary irritant effect:

- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

EL50 (48 h)	>1000 mg/l (Daphnia magna (water flea)) (OECD 202)
OECD test 301 F	69 % (biodegradation in % after 28 days) Readily Biodegradable

- 12.2 Persistence and degradability** No further relevant information available.
- Other information:** The product is difficultly biodegradable.
- 12.3 Bioaccumulative potential** No further relevant information available.
- 12.4 Mobility in soil** No further relevant information available.
- Additional ecological information:**
- General notes:** Do not allow product to reach ground water, water course or sewage system.
- 12.5 Results of PBT and vPvB assessment**
- PBT:** Not applicable.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods**
- Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packaging:**
- Recommendation:** Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

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SECTION 14: Transport information

· 14.1 UN-Number	
· ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name	
· ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	-

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations:
- Technical instructions (air):

Class	Share in %
NK	75-100

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H304 May be fatal if swallowed and enters airways.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent