

CladEnhance Activator

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

1.1 Product Identifier

Product Name:	CladEnhance Activator
Product Number:	EC-110A

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Users:	None known. Restricted to professional users.
-------------------	---

1.3 Details of the Supplier of the Safety Data Sheet

Supplier:	Alltimes Coatings Limited Unit 17A, Nailsworth Mills Estate, Nailsworth, Gloucestershire, GL6 0BS. UK
-----------	--

1.4 Emergency Contact Numbers

Telephone:	01455 272 278
Mobile:	07773 329 424

SECTION 2: Hazards Identification

2.1 Classification of the Substance or Mixture Classification (EC 1272/2008)

Classification:	Skin Sens. 1; H317, May cause an allergic skin reaction. STOT SE 3; H336, May cause drowsiness or dizziness.
-----------------	---

2.2 Label Elements

Pictogram:	
Signal Word:	Warning
Hazard Statements:	May cause an allergic skin reaction. (H317) May cause drowsiness or dizziness. (H336)

Precautionary Statements:	Avoid breathing mist/vapour. (P261) Wear protective gloves/protective clothing/eye protection/face protection. (P280) If skin irritation or rash occurs: Get medical advice/attention. (P333+P313) Take off contaminated clothing and wash it before reuse. (P362+P364) Store in a well-ventilated place. Keep container tightly closed. (P403+P233) Dispose of contents/container in accordance with local regulation (P501)
Hazardous Substances:	Hexamethylene diisocyanate, oligomers n-butyl acetate

2.3 Other Hazards

Other Hazards:	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.
-----------------------	---

SECTION 3: Composition/Information on Ingredients

3.1 Mixtures

Substance:	HEXAMETHYLENE DIISOCYANATE, OLIGOMERS	N-BUTYL ACETATE
Percent:	40-60%	15-25%
CAS Number:	28182-81-2	123-86-4
EC Number:	500-060-2	204-658-1
REACH Number:		607-025-00-1
Classification:	Skin Sens. 1, H317	Flam. Liq. 3: H226; STOT SE 3: H336: -EUH066

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

General Information:	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
Inhalation:	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
Ingestion:	If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.
Skin Contact:	IF ON SKIN: Wash with plenty of water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
Eye Contact:	IF IN EYES: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.
Burns:	Not applicable.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Sensitisation:	This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.
-----------------------	---

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Immediate/Special Treatment:	Call a POISON CENTER/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. Bring this safety data sheet or the label from this product.
-------------------------------------	---

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media:	Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable Extinguishing Media:	Waterjets should not be used, since they can spread the fire.

5.2 Special Hazards Arising from the Substance or Mixture

Exposure Hazards:	Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Carbon oxides (CO / CO ₂)
--------------------------	---

5.3 Advice for Firefighters

Protective Actions During Firefighting:	Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice. Hazchem Code: •3Y
--	--

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions:	Avoid direct contact with spilled substances. Ensure adequate ventilation, especially in confined areas. Avoid inhalation of vapours from spilled material. Contaminated areas may be slippery.
------------------------------	---

6.2 Environmental Precautions

Environmental Precautions:	Avoid discharge to lakes, streams, sewers, etc. Keep unauthorized persons away from the spill.
-----------------------------------	--

6.3 Methods & Material for Containment and Cleaning

Methods for Cleaning Up:	Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.
---------------------------------	--

6.4 Reference to Other Sections

Reference to Other Sections:	See section 13 "Disposal considerations" on handling of waste. See section 8 "Exposure controls/personal protection" for protective measures.
-------------------------------------	--

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

Handling Requirements:	Avoid contact during pregnancy and while nursing. Smoking, drinking and consumption of food is not allowed in the work area. See section 8 "Exposure controls/personal protection" for information on personal protection.
------------------------	--

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage Requirements:	Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Incompatible Materials:	Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3 Specific End Use(s)

Specific End Use(s):	This product should only be used for applications quoted in section 1.2.
----------------------	--

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters Occupational Exposure Limits

General Information:	No substances are listed in the national list of substances with an occupational exposure limit.
DNEL:	No data available.
PNEC:	No data available.

8.2 Exposure Controls

General Information:	Apply general control to prevent unnecessary exposure. Smoking, drinking and consumption of food is not allowed in the work area.
Exposure Scenarios:	There are no exposure scenarios implemented for this product.
Exposure Limits:	Occupational exposure limits have not been defined for the substances in this product.
Appropriate Technical Measures:	Apply standard precautions during use of the product. Avoid inhalation of vapours.
Hygiene Measures:	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.
Measures to Avoid Environmental Exposure:	No specific requirements.

8.3 Individual Protection Measures, such as Personal Protective Equipment (PPE)

General Information:	Use only UKCA marked protective equipment.
Respiratory Equipment:	Type: SL. Class: P3. Colour: White. Standards: EN149.
Skin Protection:	Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.
Hand Protection:	Gloves
Eye Protection:	In the likelihood of direct or incidental exposure, use face protection. Standards; EN166.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Liquid
Colour:	No data available.
Odour:	No data available.
pH:	No data available.
Density (g/cm ³):	No data available.
Kinematic Viscosity:	No data available.
Particle Characteristics:	No data available.
Melting Point/Freezing Point (°C):	No data available.
Softening Point/Range (°C):	No data available.
Boiling Point (°C):	No data available.
Vapour Pressure:	No data available.
Relative Vapour Pressure:	No data available.
Decomposition Temperature (°C):	No data available.
Flash Point (°C):	No data available.
Flammability (°C):	No data available.
Auto-ignition Temperature (°C):	No data available.
Lower/Upper Explosion Limit (% v/v):	No data available.
Solubility in Water:	No data available.
N-octanol/Water Coefficient (LogKow):	No data available.
Solubility in Fat (g/L):	No data available.

9.2 Other Information

Oxidizing Properties:	No data available.
Other Physical & Chemical Parameters:	No data available.

SECTION 10: Stability and Reactivity

10.1 Reactivity

Reactivity:	No data available.
-------------	--------------------

10.2 Chemical Stability

Stability:	The product is stable under the conditions, noted in section 7 "Handling and storage".
------------	--

10.3 Possibility of Hazardous Reactions

Possibility of Hazardous Reactions:	None known.
-------------------------------------	-------------

10.4 Conditions to Avoid

Conditions to Avoid:	None known.
----------------------	-------------

10.5 Incompatible Materials

Materials to Avoid:	Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.
---------------------	--

10.6 Hazardous Decomposition Products

Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
-----------------------------------	--

SECTION 11: Toxicological Information

11.1 Information on Hazard Classes as Defined in Regulation (EC) No 1272/2008

Acute Toxicity:	Based on available data, the classification criteria are not met.
Skin Corrosion/Irritation:	Based on available data, the classification criteria are not met.
Serious Eye Damage/Irritation:	Based on available data, the classification criteria are not met.
Respiratory Sensitisation:	Based on available data, the classification criteria are not met.
Skin Sensitisation:	May cause an allergic skin reaction.
Germ Cell Mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive Toxicity:	Based on available data, the classification criteria are not met.
STOT-Single Exposure:	May cause drowsiness or dizziness.
STOT-Repeated Exposure:	Based on available data, the classification criteria are not met.
Aspiration Hazard:	Based on available data, the classification criteria are not met.

11.2 Information on Other Hazards

Long Term Effects:	None known.
Endocrine Disrupting Properties:	This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.
Other Information:	p-xylene;m-xylene;xylene;o-xylene has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological Information

12.1 Toxicity

Ecotoxicity Values:	No data available.
---------------------	--------------------

12.2 Ecological Information

Persistence and Degradability:	Based on available data, the classification criteria are not met.
--------------------------------	---

12.3 Bioaccumulative Potential

Bioaccumulative Potential:	Based on available data, the classification criteria are not met.
----------------------------	---

12.4 Mobility in Soil

Mobility:	No data available.
-----------	--------------------

12.5 Results of PBT and vPvB Assessment

Results of PBT and vPvB Assessment:	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
-------------------------------------	--

12.6 Endocrine Disrupting Properties

Other Adverse Effects:	This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.
------------------------	---

12.7 Other Adverse Effects

Other Adverse Effects:	None known.
------------------------	-------------

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

General Information:	Product is covered by the regulations on hazardous waste. HP 13 – Sensitising. Dispose of contents/container to an approved waste disposal plant. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
EWC Code:	Not applicable.
Contaminated Packing:	Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport Information

14.1 UN Number

UN Number:	UN1263
------------	--------

14.2 UN Proper Shipping Name

UN Shipping Name:	PAINT RELATED MATERIAL
-------------------	------------------------

14.3 Transport Hazard Class(es)

Transport Hazard Class:	3
Label:	3
Classification Code:	F1

14.4 Packaging Group

Packing Group:	III
----------------	-----

14.5 Environmental Hazards

Environmental Hazards:	Environmentally hazardous substance/marine pollutant? - No.
------------------------	---

14.6 Other Information

Additional Information:	This product is within scope of the regulations of transport of dangerous goods. ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport. Hazchem Code: •3Y
Limited Quantities:	5L
Tunnel Restriction Code:	D/E

14.7 Special Precautions for User

Special Precautions:	No data available.
-----------------------------	--------------------

14.8 Transport in Bulk According to Annex II of MARPOL and the IBC Code

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:	No data available.
--	--------------------

SECTION 15: General Information

15.1 Safety, Health and Environmental Regulations/Legislation

Restrictions for Application:	Restricted to professional users. People under the age of 18 shall not be exposed to this product. Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.
Demands for Specific Education:	No specific requirements.
Control of Major Accident Hazards:	Not applicable.
UK-REACH, Annex XVII:	n-butyl acetate is subject to UK-REACH restrictions (entry 40).
Additional Information:	Not applicable.
Sources:	The Management of Health and Safety at Work Regulations 1999. The Health and Safety at Work etc. Act 1974 Regulations 2013. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2 Chemical Safety Assessment

Safety Assessment:	No data available.
---------------------------	--------------------

SECTION 16: Other Information

16.1 Other Information

Full Text of H-Phrases Mentioned:	EUH066, Repeated exposure may cause skin dryness or cracking. H226, Flammable liquid and vapour. H317, May cause an allergic skin reaction. H336, May cause drowsiness or dizziness.
Abbreviations & Acronyms:	ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor CAS = Chemical Abstracts Service CE = Conformité Européenne (European Conformity) CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] CSA = Chemical Safety Assessment CSR = Chemical Safety Report DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EINECS = European Inventory of Existing Commercial chemical Substances ES = Exposure Scenario EUH = CLP-specific Hazard Statement EuPCS = European Product Categorisation System EWC = European Waste Catalogue GHS = Globally Harmonized System of Classification and Labelling of Chemicals GWP = Global Warming Potential IARC = International Agency for Research on Cancer (IARC) IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = Marine Pollution) OECD = Organisation for Economic Co-operation and Development PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail RRN = REACH Registration Number SCL = A specific concentration limit SVHC = Substances of Very High Concern STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-SE = Specific Target Organ Toxicity - Single Exposure TWA = Time Weighted Average UN = United Nations UVBC = Unknown or variable composition, complex reaction products or of biological materials VOC = Volatile Organic Compound vPvB = Very Persistent and Very Bioaccumulative

Additional Information:	The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law. The classification of the mixture in regard to physical hazards has been based on experimental data.
Other Information:	A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
This SDS is Validated by:	The safety data sheet has not been validated

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products. It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification. Country-Language: GB-en.



Alltimes Coatings Ltd.
Unit 17A, Nailsworth Mills Estate,
Nailsworth, Gloucestershire,
GL6 0BS. UK

T: 01453 872 850
E: info@alltimescoatings.co.uk
W: www.alltimescoatings.co.uk

No responsibility can be taken by the manufacturers where conditions of use are beyond our control. All products should be used in accordance with the manufacturer's instructions. For further information please refer to the application guide and Material Safety Data Sheet. This information and guidance is given in good faith and without prejudice and liability, Technical and Safety Data must be observed. All coverages are given as a guide only, as volumes will vary with profile, porosity and method of application. Loss factors should also be taken into account.