SAFETY DATA SHEET

DULUX EXTERIOR STUCCO

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

1.1. Product identifier

Product name : Dulux Exterior Stucco

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

Product use : Waterborne putty for exterior use

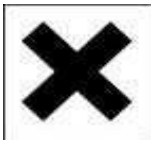
1.3. Details of the supplier of the safety data sheet

Akzo Nobel Decorative Paints LLC
PO Box 290
Dubai, U.A.E.
Tel.: +97143990417
Fax: +97143792861

e-mail address of person responsible for this SDS : Dulux.arabia@akzonobel.com

SECTION 2: Hazards identification

2.1. This material has been assessed under the Chemicals (Hazard Information and Packaging for Supply)



Irritant

Regulations 1994 and has been classified as follows: -

Xn	R21/22/	Harmful in contact with skin and if swallowed

SECTION 3: Composition/information on ingredients

3.1. The following ingredients have recognized health effects or OELS (Occupational Exposure Limits) assigned.

Substance	Weight in Paint	Classification	Risk Phrases*	CAS Number
5 – chloro-2-methyl-2-H-isothiozol-3-one	0-0.4%	Xn Xi	R21/R22 R37, R43 R50/53	26172-55-4
2-methyl-2H- isothiozol -3-one	0-0.4%	Xn Xi	R23/24/25 R34/R43 R50/53	2682-20-4

SECTION 4: First aid measures

4.1. Description of first aid measures

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

Eye contact : Remove contact lenses, irrigate copiously with clean, fresh water, holding the Eye lids apart for at least 10 minutes and seek immediate medical advice.

Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

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

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.
If splashed in the eyes, the liquid may cause irritation and reversible damage.
This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one ,it May produce/chance an allergic reaction.

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

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large Quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

See toxicological information (Section 11)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Recommended: alcohol-resistant foam, CO_2, powders, water spray.

Unsuitable extinguishing media : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

Special protective actions for fire-fighters : Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

Special protective equipment for fire-fighters : Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non- emergency personnel : Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2. Environmental precautions : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3. Methods and material : 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 (see Section 13). Preferably clean with a detergent. Avoid using solvents.

6.4. Reference to other : See Section 1 for contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe : Avoid contact with skin and eyes. Avoid inhalation of vapour, spray or mist.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Put on appropriate personal protective equipment (see Section 8).
Never use pressure to empty. Container is not a pressure vessel.
Always keep in containers made from the same material as the original one.
Comply with the health and safety at work laws.
Do not allow to enter drains or watercourses.

SECTION 7: Handling and storage

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and vapour concentration has fallen below the exposure limits.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.
Notes on joint storage
Keep away from: oxidising agents, strong alkalis, strong acids.
Additional information on storage conditions
Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep container tightly closed.
No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits
No exposure limit value known.

Recommended monitoring : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following:
application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available.

SECTION 8: Exposure controls/personal protection

8.2 Exposure controls

Appropriate engineering controls : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Use safety eyewear designed to protect against splash of liquids.

Respiratory protection : Work only in places of good ventilation. Inside always keep doors and windows fully open during application and drying. When applying for short periods only, a cartridge mask may be worn providing the filter is changed regularly. When applying water-based paints by spray inside or in confined spaces, wearing a cartridge mask of Assigned Protection Factor 40 x OEL for particulates is recommended. This should be confirmed by your COSHH assessment. Contact your merchant about masks. All respiratory equipment must be suitable for the purpose and meet an appropriate standard approved by the HSE. Refer to BS4275

Skin protection

Body protection : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Avoid the inhalation of dust. Wear suitable face mask if dry sanding. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

Environmental exposure : Do not allow to enter drains or watercourses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physcal state : Liquid.
Colour : Not available.
Odour : Not available.

SECTION 9: Physical and chemical properties

Odour threshold	: Not available.
pH	: 8-9
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flash point	: Not available.
Evaporation rate	: Not available.
Upper/lower flammability or explosive limits	: Not available.
Vapour pressure	: Not available.
Vapour density	: Not available.
Specific Gravity	: 1.50-1.60
Solubility(ies)	: Easily soluble in the following materials: cold water.
Solubility in water	: Not available.
Partition coefficient: n-octanol/ water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Explosive properties	: Not available.
Oxidising properties	: Not available.

9.2. Other information

No additional information

SECTION 10: Stability and reactivity

10.1. Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2. Chemical stability	: Stable under recommended storage and handling conditions (see Section 7).
10.3. Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4. Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products.
10.5. Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6. Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

There is no experimental data available on the products themselves. However, they have been assessed according to the CHIP Regulations 1994 and as amended in 1996 and classified for toxicological hazards. See section 14 for these details, including associated risk and safety phrases. Over-exposure of vapour is irritating to eyes and respiratory system. Excessive concentrations may produce effects on the central nervous system including drowsiness. In extreme cases loss of concentration may result. Long term exposure to vapour concentrations in excess of quoted OELs may result in adverse effects. Splashes entering the eye will cause discomfort and possibly damage. Prolonged contact with the skin may have a defatting effect which may lead to skin irritation and in some cases dermatitis.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)
Not available.

Specific target organ toxicity (repeated exposure)
Not available.

Aspiration hazard
Not available.

Other information : Not available.

SECTION 12: Ecological information

There is no experimental data available on the finished products. The products should not be allowed to enter drains or water-courses or deposited where they can affect ground or surface waters. The air pollution control requirements of regulations made under the Environmental Protection Act may apply to the use of these products.

12.2. Persistence and degradability

Conclusion/Summary : Not available.

12.3. Bioaccumulative potential

12.4. Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Mobility : Not available.

12.5. Results of PBT and vPvB assessment

PBT : Not available.
P: Not available. B: Not available. T: Not available.

vPvB : Not available.
vP: Not available. vB: Not available.

12.6. Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Disposal considerations : Do not allow to enter drains or watercourses.
Dispose of according to all federal, state and local applicable regulations.
If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.
For further information, contact your local waste authority.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Disposal considerations : Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.
Empty containers must be scrapped or reconditioned.
Dispose of containers contaminated by the product in accordance with local or national legal provisions.

SECTION 14: Transport information

	ADR	IMDG	
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es) **Class** **Subsidiary class**	- -	- -	- -
14.4 Packing group	-	-	-
14.5 Environmental hazards **Marine pollutant** **Marine pollutant substances**	No.	No. Not available	No.
14.6 Special precautions for user	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.		

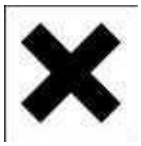
SECTION 14: Transport information

HI/Kemler number Emergency schedules (EmS)	Not available.	Not applicable.	
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	**:** Not applicable		
Additional information	-	-	-

SECTION 15: Regulatory information

The products listed have been assessed according to the CHIP Regulations 1994 and as amended in 1996 and the classification for hazard is given below.

Hazard Symbol



Irritant

Risk Phrases	: R43	May cause sensitisation by skin contact.
	: R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
Safety Phrases	: S2	Keep out of reach of children
	: S24/25	Avoid contact with skin and eyes
	: S46	If swallowed seek medical advice immediately and show this container or label.

The information contained in this safety data sheet does not constitute the users own assessment of workplace risks as required by other health and safety legislation.
The provisions of the Health and Safety at Work Act and the Control of Substances Hazardous to Health Regulations apply to the use of the products listed in this data sheet at work.
The text for R phrases is given on Section 15. In addition to the phrases quoted, this product has the phrase: “This product contains no added lead. However, the wood and metal surfaces of the building especially if it is pre 1960, may have been painted in the past with a paint made from lead pigments. Preparation and removal of such paint can be hazardous”.

SECTION 16: Other information

Full details of R-phrases are as follows: -

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R20/22	Harmful by inhalation and if swallowed
R43	May cause sensitization by skin contact.
R34/43	May cause sensitization by skin contact

SECTION 16: Other information

Full details of S -phrases are as follows:

Text for S:	
S2	Keep out of reach of children
S24/25	Avoid contact with skin and eyes
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of soap and water or a recognized skin cleaner.
S29	Do not empty into drains
S51	Use only in well ventilated areas

Notice to reader

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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