Penta

SAFETY DATA SHEETS

ansa Coatings

ICI A/C 2K CLEARCOAT 435

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

PRODUCT INFORMATION:

Brand Identity: Penta Paint
Product Name: ICI A/C 2K Clearcoat 435

Product Class: Urethane Acrylics
Physical Form: Liquid

COMPANY/UNDERTAKING

IDENTICATION	ANSA MCAL INDUSTRIAL PARK, 51-59 TUMPUNA ROAD SOUTH, GUANAPO, ARIMA, TRINIDAD, W.I. TEL (868) 665-5721-3/4913/5829/8046/1991, 671-2722/3245 FAX (868) 665-1577
EMERGENCY TELEPHONE NUMBER (WITH HOURS OF OPERATION):	TRINIDAD TEL : 868) 665-5721-3/4913/5829/8046/1991, 671-2722/3245 FAX: (868) 665-1577
PRODUCT INFORMATION	www.ansacoatings.co

2. HAZARDS IDENTIFICATION

HAZARD STATEMENTS	Flammable liquid and vapor May cause drowsiness or dizziness Causes damage to organs through prolonged or repeated exposure Toxic to aquatic life with long lasting effects
ROUTES OF EXPOSURE	INHALATION of vapor or Spray Mist EYE or SKIN contact with the product, vapor or spray mist. INGESTION of product
EFFECTS OF OVEREXPOSURE	EYE: Irritation. SKIN: Prolonged or repeated exposure may cause irritation. INHALATION: Irritation of the upper respiratory system.
SIGNS AND SYMPTOMS OF OVEREXPOSURE	Redness and itching or burning sensation may indicate eye or excessive skin
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	eye or excessive skin exposure. None generally recognized.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	(w/w %)
Solvents	Unknown	20-40
Resin	Unknown	60 -70

ICI A/C 2K CLEARCOAT 435

4. FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. SKIN: Wash affected area thoroughly with soap and water.
INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet. INGESTION Do not induce vomiting. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flash Point	LEL	UEL	Flammability Classification
41 °C	0.8%	7.0%	3

MEDIA	Carbon Dioxide, Dry Chemical, Alcohol Foam, Water fog
UNUSUAL FIRE AND EXPLOSION HAZARDS	Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.
SPECIAL FIRE FIGHTING PROCEDURES	Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.
HAZARDS FROM THE SUBSTANCE OR MIXTURE	If heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Decomposition products may include the following materials: carbon oxides metal oxide/oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment as listed in Section 8.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways. Methods for containment: Contain spills with an inert absorbent material such as soil or sand. Prevent from spreading by covering, diking or other means. Provide ventilation.
Methods for cleanup	Clean up spills immediately observing precautions in the protective equipment section. Place into a suitable container for disposal. Provide ventilation. After removal, flush spill area with soap and water to remove trace residue.

7. HANDLING AND STORAGE

Handling:	Use in well-ventilated areas. Avoid breathing vapor and contact with eyes, skin and clothing. Keep away from excessive heat and open flames.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use. Keep out of reach of children

ICI A/C 2K CLEARCOAT 435

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection	
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation
Respiratory Protection	A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.
Skin Protection	Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection
Eye Protection	Use safety eyewear designed to protect against splash of liquids
Other Protective Equipment	Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications
Hygienic Practices	Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour	Clear Colourless
Product Weight	3.41 – 3.79 kg/L
Specific Gravity	0.902-1.002
Boiling Point Range	36° - 210°C
Melting Point	Not Available
Flash Point	41°C
Volatile Volume	60 – 65%
Evaporation Rate	Less than Ether
Vapour Density	Heavier than Air
Solubility in Water	Insoluble

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable Under Normal Temperatures And Pressures.
Incompatibility:	Oxidizing Agents. Strong Acids And Alkalis.
Condition To Avoid:	Avoid Temperatures Above 100 F (38°C). Avoid All Possible Sources Of Ignition
Dangerous Products Of Decomposition:	By Open Flame, Carbon Monoxide And Carbon Dioxide. When Heated To Decomposition, It Emits Irritating Fumes. Contains Solvents Which May Form Carbon Monoxide, Carbon Dioxide, And Metallic Oxides.

ICI A/C 2K CLEARCOAT 435

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Not Determined
Effect On Eyes	Irritation Of Eyes. Prolonged Or Repeated Contact May Cause Conjunctivitis, Tearing Of Eyes, And Redness Of Eyes.
Effect On Skin	Irritation Of Skin. Prolonged Or Repeated Contact Can Cause Dermitis, Defatting. Possible Sensitization To Skin. Skin Contact May Result In Dermal Absorption Of Component(s) Of This Product Which May Cause Headache, Nausea, Central Nervous System Depression
Effect On Lungs	Irritation Of Respiratory Tract. Prolonged Inhalation May Lead To Mucous Membrane Irritation, Dizziness And/Or Light-headedness, Headache, Nausea, Coughing, Sneezing, Central Nervous System Depression, Kidney Damage.
Effect On Stomach	Ingestion May Cause Dizziness And /Or Light Headedness, Headache, Vomiting, Gastro-intestinal Disturbances, Severe Abdominal Pain, Apathy, Central Nervous System Depression, Respiratory Problems, Intoxication, Kidney Damage, Pulmonary Edema, Loss Of Consciousness, Acute Poisoning, Respiratory Failure, Cardiac Failure And Brain Damage
Additional Toxicological Information	No Additional Effects Are Anticipated Besides Those Mentioned In Section 5 Fire Fighting Measures. This Product Has Not Been Listed By IARC, OSHA, ACGIH, DSL, TSCA But Contains Ingredients Which Are Toxic By Ingestion, Inhalation And Through The Skin. Chemicals In Their Non-reportable Form Could Be Encountered When Stripping Or Release Of By-products May Build-up In The Headspace Of The Containers.
Carcinogenicity	Titanium dioxide has been listed by the IARC as a possible carcinogen to humans based on inadequate evidence in humans and sufficient evidence of carcinogenicity in experimental animals. Their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint." Microbiocides are also listed as suspected of causing cancer under EEC

12. ECOLOGICAL INFORMA TION

General Note:	There is no data available on the products but contains ingredients known to have toxic and very toxic effects to the environment and even with long lasting effects. Do not allow undiluted product or large quantities of products to reach ground water, water courses or sewage systems.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD
Use non-leaking containers, seal tight and label properly. Dispose of in accordance with applicable local, county, state and federal regulations.

ICI A/C 2K CLEARCOAT 435

14. TRANSPORT INFORMATION

14.1 Land Transport (ADR/RID)

ADR/RID Class:	Flammable liquid
Danger Code (Kemler):	30
UN number:	1263
Packaging Group:	III
Hazard label:	3

14.2 Maritime Transport (IMDG)

IMDG class:	3
Hazard Label:	3
UN Number	1263
Packaging Label:	III
EMS number:	3-05
Maritime	No

14.3 Air Transport (ICAO-TI and IATA-DGR)

ICAO-TI/IATA-DGR:	3
UN Number:	1263
Hazard Label:	3
Packaging Group:	III
Proper Shipping Name:	Paint Product

15. REGULATORY INFORMATION

Risk Phrases:

R10 Flammable
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapours may cause drowsiness and dizziness

Safety Phrases:

S61 Avoid release to the environment.
Refer to special instructions/Safety Data Sheet
S1/2 Keep locked up and out of reach of children.
S27/28 Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water.
S29/35 Do not empty into drains. This material and its container must be disposed of in a safe way.

16. OTHER INFORMATION

In case of any discomfort always seek medical advice

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SDS Author: ANSA Coatings Limited

Disclaimer:

This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user.

The information given in the Data Sheet is designed only as guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.

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This an evolving document and will be updated periodically as new products become available. For further support, please contact our corporate office:

ANSA Coatings Limited (Head Office) Address: ANSA McAL Industrial Park, #51-59 Tumpuna Road, Guanapo, Arima, Trinidad.