

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1 Product identifier

**Product name** PA 10 PRIMER BLACK  
**Synonym(s)** 32028-000744 - MANUFACTURER'S CODE • 348004 - MANUFACTURER'S CODE • BLACK PA10 • PA 10 BLACK • PA10 BLACK (FORMERLY) • YPA321 - PRODUCT CODE

### 1.2 Uses and uses advised against

**Use(s)** PRIMER • PRIMER - ETCHING AGENT

### 1.3 Details of the supplier of the safety data sheet

**Supplier name** AKZO NOBEL PTY LTD  
**Address** 8 Kellaway Place, Wetherill Park, NSW, Australia, 2164  
**Telephone** (02) 9616 6900  
**Fax** (02) 9616 3910  
**Email** Shaun.Mizis@akzonobel.com  
**Website** <https://www.akzonobel.com/international/>

### 1.4 Emergency telephone number(s)

**Emergency** 1800 680 071

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

**GHS Classification(s)** Flammable Liquids: Category 2  
Skin Corrosion/Irritation: Category 2  
Serious Eye Damage / Eye Irritation: Category 1  
Specific Target Organ Systemic Toxicity (Single Exposure): Category 3  
Aquatic Toxicity (Chronic): Category 1

### 2.2 Label elements

**Signal word**

**DANGER**

**Pictograms**



**Hazard statement(s)**

H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H410 Very toxic to aquatic life with long lasting effects.

**Prevention statement(s)**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.

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- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- Response statement(s)**
- P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P321 Specific treatment is advised - see first aid instructions.
- P332 + P313 If skin irritation occurs: Get medical advice/ attention.
- P362 Take off contaminated clothing and wash before re-use.
- P370 + P378 In case of fire: Use appropriate media for extinction.
- P391 Collect spillage.
- Storage statement(s)**
- P403 + P233 + P235 Store in a well-ventilated place. Keep cool. Keep container tightly closed.
- P405 Store locked up.
- Disposal statement(s)**
- P501 Dispose of contents/container in accordance with relevant regulations.

**2.3 Other Hazards**

No information provided.

**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

**3.1 Substances / Mixtures**

Ingredient	CAS number	EC number	Content
ISOPROPYL ALCOHOL	67-63-0	200-661-7	25 - 50%
ETHANOL	64-17-5	200-578-6	10 - 25%
ISOBUTYL ALCOHOL	78-83-1	201-148-0	10 - 25%
N-BUTANOL	71-36-3	200-751-6	2.5 - 10%
PROPYLENE GLYCOL MONOETHYL ETHER	1569-02-4	216-374-5	2.5 - 10%
ZINC PHOSPHATE	7779-90-0	231-944-3	2.5 - 10%
CARBON BLACK	1333-86-4	215-609-9	1 - 2.5%
CRESOL	1319-77-3	215-293-2	<1%
METHANOL	67-56-1	200-659-6	<1%
PHENOL	108-95-2	203-632-7	<1%

**4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

- Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
- Inhalation** If swallowed or inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Do not give direct mouth-to-mouth resuscitation. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.
- Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
- Ingestion** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.
- First aid facilities** Eye wash facilities should be available.

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

No information provided.

**4.3 Immediate medical attention and special treatment needed**

Treat symptomatically.

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## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.

### 5.2 Special hazards arising from the substance or mixture

Highly flammable. May evolve carbon oxides and hydrocarbons when heated to decomposition. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, pilot lights, heaters, naked lights, mobile phones, etc when handling. Earth containers when dispensing fluids.

### 5.3 Advice for firefighters

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

### 5.4 Hazchem code

●3YE

- Alcohol Resistant Foam is the preferred firefighting medium. Else use;
- 3 Normal Foam (protein based foam that is not alcohol resistant).
- Y Risk of violent reaction or explosion. Wear full fire kit and breathing apparatus. Contain spill and run-off.
- E Evacuation of people in and around the immediate vicinity of the incident should be considered.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

### 6.2 Environmental precautions

Prevent product from entering drains and waterways.

### 6.3 Methods of cleaning up

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all sources of ignition.

### 6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, preferably flammables store, removed from direct sunlight, incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate ventilation and fire protection systems.

### 7.3 Specific end use(s)

No information provided.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 Control parameters

Exposure standards

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Substance	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Carbon black	SWA (AUS)	--	3	--	--
Cresol, all isomers	SWA (AUS)	5	22	--	--
Ethanol	SWA (AUS)	1000	1880	--	--
Isobutyl alcohol	SWA (AUS)	50	152	--	--
Isopropyl alcohol	SWA (AUS)	400	983	500	1230
Methanol	SWA (AUS)	200	262	250	328
Phenol	SWA (AUS)	1	4	--	--
n-Butanol	SWA (AUS)	50	152	--	--

**Biological limits**

Ingredient	Reference	Determinant	Sampling time	BEI
ISOPROPYL ALCOHOL	ACGIH BEI	Acetone in urine	End of shift at end of workweek	40 mg/L
METHANOL	ACGIH BEI	Methanol in urine	End of shift	15 mg/L
PHENOL	ACGIH BEI	Total phenol in urine (with hydrolysis)	End of shift	250 mg/g creatinine

**8.2 Exposure controls**

**Engineering Controls**

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable/explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back.

**PPE**

**Eye/Face**

Wear splash-proof goggles.

**Hand**

Wear PVA or viton (R) gloves.

**Body**

Wear coveralls.

**Respiratory**

Where an inhalation risk exists, wear a Type A (Organic vapour) respirator. If spraying, wear a Type A-Class P1 (Organic gases/vapours and Particulate) respirator or an Air-line respirator. If sanding dry product, wear a Class P1 (Particulate) respirator.



**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	BLACK LIQUID
<b>Odour</b>	SOLVENT ODOUR
<b>Odour Threshold</b>	NOT AVAILABLE
<b>Flammability</b>	HIGHLY FLAMMABLE
<b>Flash Point</b>	14°C (cc)
<b>Boiling Point</b>	65°C
<b>Melting Point</b>	NOT AVAILABLE
<b>Evaporation Rate</b>	NOT AVAILABLE
<b>pH</b>	NOT AVAILABLE
<b>Specific Gravity</b>	0.88
<b>Solubility (water)</b>	INSOLUBLE
<b>Vapour Density</b>	> 1 (Air = 1)
<b>Vapour Pressure</b>	NOT AVAILABLE
<b>Upper Explosion Limit</b>	11.3 % (n-Butanol)

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Lower Explosion Limit	1.4 % (n-Butanol)
Partition Coefficient	NOT AVAILABLE
Autoignition Temperature	255°C
Decomposition Temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive Properties	NOT AVAILABLE
Oxidising Properties	NOT AVAILABLE

#### 9.2 Other information

No information provided.

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## 10. STABILITY AND REACTIVITY

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### 10.1 Reactivity

Carefully review all information in sections 10.2 to 10.6.

### 10.2 Chemical stability

Stable under recommended conditions of storage.

### 10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

### 10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

### 10.5 Incompatible materials

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), heat and ignition sources. Incompatible with alkalis (e.g. sodium hydroxide).

### 10.6 Hazardous decomposition products

May evolve carbon oxides and hydrocarbons when heated to decomposition.

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## 11. TOXICOLOGICAL INFORMATION

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### 11.1 Information on toxicological effects

<b>Health hazard summary</b>	May be harmful - irritant. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and inhalation. Chronic exposure to some solvents may result in liver, kidney and central nervous system (CNS) damage.
<b>Eye</b>	Irritant. Contact may result in irritation, lacrimation, pain and redness.
<b>Inhalation</b>	May be harmful - irritant. Over exposure may result in irritation of the nose and throat, coughing, nausea and headache. High level exposure may result in dizziness, drowsiness, breathing difficulties and unconsciousness. Chronic exposure to some solvents may result in liver, kidney and central nervous system (CNS) damage.
<b>Skin</b>	Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis. May be absorbed through skin with harmful effects.
<b>Ingestion</b>	May be harmful. Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, dizziness and drowsiness. Aspiration or inhalation may cause chemical pneumonitis and pulmonary oedema.
<b>Toxicity data</b>	ISOPROPYL ALCOHOL (67-63-0) LC50 (Inhalation): 16000 ppm/8 hours 16000/8 hours (rat) LD50 (Ingestion): 3600 mg/kg (mouse) LD50 (Skin): 12,800 mg/kg (rabbit) ETHANOL (64-17-5) LC50 (Inhalation): 20000 ppm/10 hours (rat) LCLo (Inhalation): 21900 ppm (guinea pig) LD50 (Ingestion): 3450 mg/kg (mouse) LD50 (Intraperitoneal): 3600 ug/kg (rat)

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LD50 (Intravenous): 1440 mg/kg (rat)  
 LD50 (Subcutaneous): 8285 mg/kg (mouse)  
 LDLo (Ingestion): 1400 mg/kg (human)  
 LDLo (Intraperitoneal): 3000 mg/kg (dog)  
 LDLo (Intravenous): 1600 mg/kg (dog)  
 LDLo (Skin): 20 g/kg (rabbit)  
 LDLo (Subcutaneous): 19440 (infant)  
 TLo (Inhalation): 20000ppm/7 hours (1-22 days pregnant rat - reproductive)  
 TDLo (Ingestion): 50 mg/kg (human)

**N-BUTANOL (71-36-3)**

LC50 (Inhalation): 8000 ppm/4 hours (rat)  
 LD50 (Ingestion): 790 mg/kg (rat)  
 LD50 (Skin): 3200 mg/kg (mouse)  
 LDLo (Ingestion): 1760 mg/kg (dog)  
 LDLo (Skin): 2000 mg/kg (dog)  
 TLo (Inhalation): 25 ppm (human)

**PROPYLENE GLYCOL MONOETHYL ETHER (1569-02-4)**

LC50 (Inhalation): > 10000 ppm/4 hours (rat)  
 LD50 (Ingestion): 4400 mg/kg (rat)  
 LD50 (Skin): 8100 mg/kg (rabbit)

**CARBON BLACK (1333-86-4)**

LD50 (Ingestion): > 8000 mg/kg (rat)

**CRESOL (1319-77-3)**

LD50 (Ingestion): 760 mg/kg (mouse)  
 LD50 (Skin): 2000 mg/kg (rabbit)  
 LDLo (Ingestion): 114 mg/kg (human)  
 TDLo (Ingestion): 177 mg/kg (man)

**METHANOL (67-56-1)**

LC50 (Inhalation): 50 g/m<sup>3</sup>/2 hours (mouse)  
 LLo (Inhalation): 1000 ppm (monkey)  
 LD50 (Ingestion): 300 mg/kg (human)  
 LD50 (Skin): 15,800 mg/kg (rabbit)  
 LDLo (Ingestion): 143 mg/kg (human)  
 LDLo (Skin): 393 mg/kg (monkey)  
 TLo (Inhalation): 300 ppm human (visual effects)  
 TDLo (Ingestion): 3429 mg/kg (man-visual change)

**PHENOL (108-95-2)**

LC50 (Inhalation): 177 mg/m<sup>3</sup> (mouse)  
 LD50 (Ingestion): 270 mg/kg (mouse)  
 LD50 (Intraperitoneal): 127 mg/kg (rat)  
 LD50 (Intravenous): 112 mg/kg (mouse)  
 LD50 (Skin): 630 mg/kg (rabbit)  
 LD50 (Subcutaneous): 344 mg/kg (mouse)  
 LDLo (Ingestion): 10 mg/kg (infant)  
 LDLo (Intraperitoneal): 300 mg/kg (guinea pig)  
 LDLo (Intravenous): 180 mg/kg (rabbit)  
 LDLo (Subcutaneous): 75 mg/kg (frog)  
 TDLo (Skin): 16 g/kg (mouse)

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**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**12.2 Persistence and degradability**

No information provided.

**12.3 Bioaccumulative potential**

No information provided.

**12.4 Mobility in soil**

No information provided.

**12.5 Results of PBT and vPvB assessment**

No information provided.

**12.6 Other adverse effects**

No information provided.

**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Waste disposal** Empty Containers: Allow to dry out in a well-ventilated area. Recycle empty containers or dispose of to an approved landfill site. Containers Storing Unwanted Material: Do not pour down the drain. Keep unwanted material in sealed containers for disposal via an approved chemical waste collection program.

**Legislation** Dispose of in accordance with relevant local legislation.

**14. TRANSPORT INFORMATION**

**CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**



	Land Transport (ADG)	Sea Transport (IMDG/IMO)	Air Transport (IATA/ICAO)
<b>14.1 UN number</b>	1263	1263	1263
<b>14.2 UN proper shipping name</b>	PAINT or PAINT RELATED MATERIAL		
<b>14.3 Transport hazard classes</b>			
<b>DG Class</b>	3	3	3
<b>Subsidiary risk(s)</b>	None Allocated	-	-
<b>14.4 Packing group</b>	II	II	II
<b>14.5 Environmental hazards</b>		Marine Pollutant	
<b>14.6 Special precautions for user</b>			
<b>Hazchem Code</b>	•3YE		
<b>EMS</b>		F-E, S-E	

**15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Poison schedule** Classified as a Schedule 5 Poison using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classifications** F - Flammable

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N - Dangerous for the environment  
 Xi - Irritant

**Risk phrases**  
 R11: Highly flammable.  
 R37/38: Irritating to respiratory system and skin.  
 R41: Risk of serious damage to eyes.  
 R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases**  
 S2: Keep out of reach of children.  
 S7: Keep container tightly closed.  
 S16: Keep away from sources of ignition - No smoking.  
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
 S37/39: Wear suitable gloves and eye/face protection.  
 S46: If swallowed, contact a doctor or Poisons Information Centre immediately and show container or label.

**WHS regulatory information**

Ingredient name	CAS number	Regulation	Details
METHANOL	67-56-1	Restricted Hazardous Chemicals	Methanol. If the substance contains >1% by volume. For spray painting.

**Inventory listing(s) AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**  
 All components are listed on AICS, or are exempt.

**15.2 Chemical safety assessment**

No information provided.

**16. OTHER INFORMATION**

**Additional information WELDING - SANDING - CUTTING DRIED OR CURED PRODUCT:** If sanding, cutting or welding dried or cured product, adverse health effects may be avoided by the use of appropriate engineering controls and/or personal protective equipment. If welding, wear a Class P2 (Metal fume) respirator and depending on the nature of the surface being welded, additional protection (e.g. for organic vapours/acid gas) may also be required. A Class P1 (Particulate) respirator is recommended if dust is generated.

**WORK PRACTICES - SOLVENTS:** Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

**EXPOSURE STANDARDS - TIME WEIGHTED AVERAGE (TWA) or WES (WORKPLACE EXPOSURE STANDARD) (NZ):** Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: Strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

**HEALTH EFFECTS FROM EXPOSURE:**  
 It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where



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appropriate.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	EC No - European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m <sup>3</sup>	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

**Report Status**

This ChemAlert report has been independently compiled by RMT's scientific department utilising the original Safety Data Sheet ('SDS') for the product provided to RMT by the manufacturer. The information is based on the latest chemical and toxicological research and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. It is an independent collation by RMT of information obtained from the original SDS for this product. Its content has not been authorised or verified by the manufacturer / distributor of the chemical to which it relates.

This ChemAlert report does not constitute the manufacturer's original SDS and is not intended to be a replacement for same. It is provided to subscribers of ChemAlert as a reference tool only, is not all-inclusive and does not represent any guarantee as to the properties of the product. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this ChemAlert report, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this ChemAlert report.

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**End of Report**