Ardrox® 9703

Revision Date 05/11/2017

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Ardrox® 9703
Substance number	:	REL_10630, PF15087
Chemical usage	:	Nondestructive Testing

Manufacturer or supplier's details

Company	:	Pioneer Forensics, LLC
Address	:	4621 Technology Drive Golden, CO 80403
Telephone	:	(303) 762-0800
Emergency telephone no	:	For health emergency, call poison control: (800) 222-1222.

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	liquid
Colour	yellow
Odour	mild
Hazard Summary	Repeated or prolonged exposure may cause irritation of eyes and skin. Also harmful if swallowed.

GHS Classification

Eye irritation : Category 2A

GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : Causes serious eye irritation.

Precautionary statements : **Prevention:**
Wash skin thoroughly after handling.
Wear eye protection/ face protection.
Response:
IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/ attention.

Potential Health Effects

Inhalation : yes

Skin : no

Ingestion : yes

Aggravated Medical Condition : None known.

Carcinogenicity:

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH Confirmed animal carcinogen with unknown relevance to humans

Distillates (petroleum), hydrotreated light 64742-47-8

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture :

Hazardous components

Component	CAS-No.	Weight percent
Distillates (petroleum), hydrotreated light	64742-47-8	50 - 70
trade secret registry	735517-5160P	30 - 50
Dipropylene glycol butoxy ether	29911-28-2	10 - 20

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

Specific chemical identity of composition has been withheld as a trade secret.

Exact percentage of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

If inhaled	:	Remove person to fresh air. If signs/symptoms continue, get medical attention.
In case of skin contact	:	Flush skin with large amounts of water. If irritation develops and persists, get medical attention.
In case of eye contact	:	Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Rinse mouth. Drink plenty of water. Obtain medical attention.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Further information	:	Use water spray to cool unopened containers.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation.
Methods and materials for containment and cleaning up	:	Ventilate area. Clean up with inert absorbant material. Keep in suitable, closed containers for disposal. Flush with plenty of water.
Additional advice	:	Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	Use only with adequate ventilation.
Conditions for safe storage	:	Store indoors in a cool, well-ventilated place KEEP FROM FREEZING Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store product at temperatures between 50F and 100F.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (petroleum), hydrotreated light	64742-47-8	TWA	500 ppm 2,000.000000 mg/m3	OSHA Z-1
		TWA	200.000000 mg/m3	ACGIH
		TWA	400 ppm 1,600.000000 mg/m3	OSHA P0

Personal protective equipment

Respiratory protection : If the occupational exposure limits cannot be met, suitable respirator equipment shall be worn.

Hand protection
Remarks : Solvent-resistant gloves

Eye protection : Safety glasses with side-shields

Skin and body protection : Rubber or plastic apron

Hygiene measures : Avoid contact with skin, eyes and clothing.
Wear suitable gloves and eye/face protection.
Wear suitable protective clothing.
Wash hands before breaks and immediately after handling the product.
Provide adequate ventilation.
Do not inhale fumes.
Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : yellow

Odour : mild

pH : not applicable

Freezing point : < 0 °C

Boiling point/boiling range : no data available

Flash point : > 93.4 °C

Evaporation rate : (Water =1) Less than 1

Upper explosion limit : not applicable

Lower explosion limit : not applicable

Vapour pressure : no data available

Relative density	:	0.881
Bulk density	:	7.35 lb/gal
Solubility(ies)		
Water solubility	:	Appreciable
Partition coefficient: n-octanol/water	:	no data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity, dynamic	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	freezing Direct sources of heat.
Incompatible materials	:	Strong acids and strong bases Strong oxidizing agents
Hazardous decomposition products	:	Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	Acute toxicity estimate : 2,458.000000 mg/kg Method: Calculation method

Components:

Distillates (petroleum), hydrotreated light:

Acute oral toxicity	:	LD50 rat: 5,000.000000 mg/kg

Dipropylene glycol butoxy ether:

Acute oral toxicity	:	LD50 rat: 1,475.000000 - 4,400.000000
		LD50 mouse: 2,160.000000 mg/kg
Acute inhalation toxicity	:	LC50 rat: > 2,040.000000 mg/l
Acute dermal toxicity	:	LD50 rabbit: 5,340.000000 mg/kg
		LD50 rabbit: 6,488.000000 mg/kg

Skin corrosion/irritation

Components:

Distillates (petroleum), hydrotreated light:
Result: Mild skin irritation

trade secret registry:
Result: Mild skin irritation

Serious eye damage/eye irritation

Components:

Distillates (petroleum), hydrotreated light:
Result: Mild eye irritation

trade secret registry:
Result: Eye irritation

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Aspiration toxicity

no data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

no data available

Bioaccumulative potential

Product:

Partition coefficient: n-octanol/water : Remarks: no data available

Components:

trade secret registry :
Partition coefficient: n-octanol/water : log Pow: 3.3 - 4.4

Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

SECTION 14. TRANSPORT INFORMATION

International regulation

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

TSCA Status : All components of this material comply with US TSCA requirements.

OSHA Hazards : Harmful by ingestion., Mild skin irritant, Moderate eye irritant
WHMIS Classification : D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

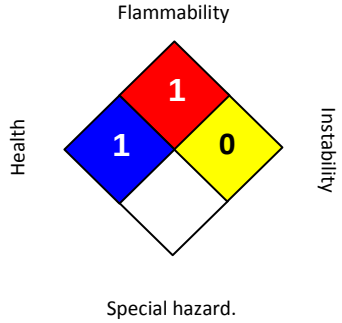
Pennsylvania Right To Know

Distillates (petroleum), hydrotreated light	64742-47-8
trade secret registry	735517-5160P
Dipropylene glycol butoxy ether	29911-28-2

New Jersey Right To Know

Distillates (petroleum), hydrotreated light	64742-47-8
trade secret registry	735517-5160P
Dipropylene glycol butoxy ether	29911-28-2
Aminocoumarin	91-44-1

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Safety Glasses, Gloves, Apron

SECTION 16. OTHER INFORMATION

Further information

Version *1.1*
Revision Date 05/11/2017

The products supplied by Pioneer Forensics, LLC and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Pioneer Forensics, LLC materials for their own particular purpose. Since buyer's conditions of use of products are beyond the control its control, Pioneer Forensics, LLC does not warrant any recommendations and information for the use of such products. PIONEER FORENSICS, LLC DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.