SAFETY DATA SHEET	
according to Regulation (EC) No.	1907/2006



Ardrox 907PB			
Version 2.0	Revision	Date 10.08.2011	Print Date 20.05.2014
1. Identification of the substa	nce/mixture	and of the company/	undertaking
1.1 Product identifier			
Trade name	: Ardrox 90	07PB	
1.2 Relevant identified uses of the	ne substance	or mixture and uses ad	vised against
Use of the Sub-	: Red pene	etrative liquid.	
stance/Mixture Recommended restrictions on use	: None kno	own.	
1.3 Details of the supplier of the	safety data s	heet	
Company	C	Chemetall Ltd Denbigh Road Bletchley Milton Keynes	/K1 1PB
Telephone Telefax	: 0	1908 649333 1908 373939	
Contact person product safety		40(0)0074050000	
Telephone E-mail address		-49(0)6971652832 nsds.de@chemetall.com	
1.4 Emergency telephone numb	er		
Emergency telephone number		9333	
2. Hazards identification 2.1 Classification of the substan	ce or mixture	)	
Classification (REGULATIO	N (EC) No 12	72/2008)	
Serious eye damage, Catego Aspiration hazard, Category 1		H318: Causes serious of H304: May be fatal if sw ways.	eye damage. vallowed and enters air-
Classification (67/548/EEC,	1999/45/EC)		
Harmful		R65: Harmful: may cau lowed.	se lung damage if swal-
Irritant		R36: Irritating to eyes.	re may cause skin dryness
2.2 Label elements			
Labelling (REGULATION (E	C) No 1272/20	008)	
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			- EN



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Hazard pictograms	:			
Signal word	: [	Danger		
Hazard statements	: 1	H304	May be fatal if swallo ways.	wed and enters air-
	I	H318	Causes serious eye	Jamage.
	: 1	EUH066	Repeated exposure r ness or cracking.	nay cause skin dry-
Precautionary stateme	ł	Prevention: P260 P262	Do not breathe dust/ pours/ spray.	fume/ gas/ mist/ va- n skin, or on clothing.
		P280		es/ protective clothing/
		<b>Response:</b> P301 + P330 + P3	331 IF SWALLOWEI	D: rinse mouth. Do
	I	P305 + P351 + P3	ter for several minute	se cautiously with wa-
		P308 + P313		rned: Get medical ad-
		<b>Disposal:</b> P501	Dispose of contents/ proved waste dispose	
Hazardous componen		s (Petroleum), hyd	e label: drotreated light Kerosii	ne-unspecified
Labelling according	to EC Direc	tives (1999/45/E	C)	
Hazard pictograms	:	×		
$\mathbf{D}$ phrase(a)		Harmful R36	Irritating to avec	
R-phrase(s)	•	2 / 12	Irritating to eyes.	
				- EN



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	R65	Harmful: may ca	use lung damage if swal-
	R66		sure may cause skin dry- J.
S-phrase(s)	: S23 S24/25 S37/39	Avoid contact wi	gas/fumes/vapour/spray. ith skin and eyes. loves and eye/face protec-
	S62	If swallowed, do	not induce vomiting: seek mmediately and show this el.
Hazardous component <ul> <li>64742-47-8</li> </ul>	s which must be listed on Distillates (Petroleum),		rosine-unspecified
2.3 Other hazards			
The information require	ed is contained in this Ma	terial Safety Data She	et.

# 3. Composition/information on ingredients

#### 3.1 Substances

Identification: Ardrox 907PB

## 3.2 Mixtures

Chemical nature

: Mixture of organic solvents containing surfactants.

## Hazardous components

Chemical Name	CAS-No. EC-No. Registration num- ber	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Distillates (Petroleum), hydrotreated light Kerosine-unspecified	64742-47-8 265-149-8	Xn; R65 R66 Nota H	Asp. Tox. 1; H304	>= 50 - < 65
Alcohol ethoxylate	68439-45-2	Xn; R22 Xi; R41	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 2.5 - < 5
Ethoxylated Secondary Alcohols (C11 - 15)	68131-40-8	Xn; R22	Acute Tox. 4; H302	>= 2.5 - < 5
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2-Naphthalenol, 1-[[4- (phenylazo)phenyl]azo] -, ar-heptyl ar',ar"-Me derivs.92257-31-3 296-120-8Repr. Cat.3; R62 Repr. 2; H361f>= 1 - < 2.5					
(phenylazo)phenylazo)       296-120-8         -, ar-heptyl ar', ar''-Me       95-38-5         Amine derivative       95-38-5         202-414-9       C; R34         N; R50/53       Skin Corr. 1B;         H314       Aquatic Chronic         1; H410       Skin Corr. 1B;         WEL substance :       2:2-3         2:(3-       34590-94-8         Methoxypro-       252-104-2         poxy)propan-1-ol       0-252-104-2         60-       01-2119450011-         60-       Regulation (EC)         No. 1272/2008       No. 1272/2008         For the full text of the R-phrases mentioned in this Section, see Section 16.         For the full text of the H-Statements mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full			Xi; R41		
202-414-9       C; R34       H302         Skin Corr. 1B; H314       Aquatic Chronic 1; H410         WEL substance :       2-(3-         2-(3-       34590-94-8         Methoxypro-       01-2119450011-         60-       01-2119450011-         60-       01-2119450011-         60-       Not a hazard-ous substance or mixture according to Regulation (EC) No. 1272/2008.         For the full text of the R-phrases mentioned in this Section, see Section 16.         For the full text of the H-Statements mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         First aid measures         General advice       :         If inhaled       :         If inhaled       :         In case of skin contact       :         Wash off with soap and plenty of water. </td <td>(phenylazo)phenyl]azo] -, ar-heptyl ar',ar''-Me</td> <td></td> <td>Repr.Cat.3; R62</td> <td>Repr. 2; H361f</td> <td>&gt;= 1 - &lt; 2.5</td>	(phenylazo)phenyl]azo] -, ar-heptyl ar',ar''-Me		Repr.Cat.3; R62	Repr. 2; H361f	>= 1 - < 2.5
2-(3- Methoxypro- poxy)propan-1-ol       34590-94-8 252-104-2 01-2119450011- 60-       Not a hazard- ous substance or mixture ac- cording to Regulation (EC) No. 1272/2008.         For the full text of the R-phrases mentioned in this Section, see Section 16. For the full text of the H-Statements mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.         First aid measures         General advice       : First-aid crew: Ensure self-protection. Move out of dangerous area. Take off contaminated clothing and shoes immediately.         If inhaled       : Move to fresh air. If symptoms persist, call a physician.         In case of skin contact       : Wash off with soap and plenty of water. If symptoms persist, call a physician.         In case of eye contact       : Rinse immediately with plenty of water, also under the eyelids. Consult a physician.	Amine derivative		C; R34	H302 Skin Corr. 1B; H314 Aquatic Chronic	>= 0.1 - < 0.25
Methoxypro- poxy)propan-1-ol       252-104-2 01-2119450011- 60-       ous substance or mixture ac- cording to Regulation (EC) No. 1272/2008.         For the full text of the R-phrases mentioned in this Section, see Section 16.       For the full text of the H-Statements mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16.       For the full text of the Notas mentioned in this Section, see Section 16.         First aid measures       General advice       : First-aid crew: Ensure self-protection. Move out of dangerous area. Take off contaminated clothing and shoes immediately.         If inhaled       : Move to fresh air. If symptoms persist, call a physician.         In case of skin contact       : Wash off with soap and plenty of water. If symptoms persist, call a physician.         In case of eye contact       : Rinse immediately with plenty of water, also under the eyelids. Consult a physician.					
For the full text of the H-Statements mentioned in this Section, see Section 16.         For the full text of the Notas mentioned in this Section, see Section 16. <b>First aid measures</b> General advice       : First-aid crew: Ensure self-protection. Move out of dangerous area. Take off contaminated clothing and shoes immediately.         If inhaled       : Move to fresh air. If symptoms persist, call a physician.         In case of skin contact       : Wash off with soap and plenty of water. If symptoms persist, call a physician.         In case of eye contact       : Rinse immediately with plenty of water, also under the eyelids. Consult a physician.	Methoxypro-	252-104-2 01-2119450011-		ous substance or mixture ac- cording to Regulation (EC)	>= 2.5 - < 10
Description of first aid measures         General advice       : First-aid crew: Ensure self-protection. Move out of dangerous area. Take off contaminated clothing and shoes immediately.         If inhaled       : Move to fresh air. If symptoms persist, call a physician.         In case of skin contact       : Wash off with soap and plenty of water. If symptoms persist, call a physician.         In case of eye contact       : Rinse immediately with plenty of water, also under the eyelids. Consult a physician.	For the full text of the H-	Statements mention	ned in this Section,	see Section 16.	
General advice: First-aid crew: Ensure self-protection. Move out of dangerous area. Take off contaminated clothing and shoes immediately.If inhaled: Move to fresh air. If symptoms persist, call a physician.In case of skin contact: Wash off with soap and plenty of water. If symptoms persist, call a physician.In case of eye contact: Rinse immediately with plenty of water, also under the eyelids. Consult a physician.					
Move out of dangerous area. Take off contaminated clothing and shoes immediately.If inhaled: Move to fresh air. If symptoms persist, call a physician.In case of skin contact: Wash off with soap and plenty of water. If symptoms persist, call a physician.In case of eye contact: Rinse immediately with plenty of water, also under the eyelids. Consult a physician.	First aid measures				
If symptoms persist, call a physician.In case of skin contact: Wash off with soap and plenty of water. If symptoms persist, call a physician.In case of eye contact: Rinse immediately with plenty of water, also under the eyelids. Consult a physician.		measures			
If symptoms persist, call a physician. In case of eye contact : Rinse immediately with plenty of water, also under the eyelids. Consult a physician.	Description of first aid	: First-aid Move out	t of dangerous area.		ediately.
Consult a physician.	Description of first aid General advice	: First-aid Move out Take off : Move to t	t of dangerous area. contaminated clothin fresh air.	ng and shoes imme	ediately.
If swallowed : Rinse mouth with water.	Description of first aid General advice If inhaled	<ul> <li>First-aid Move out Take off</li> <li>Move to t If sympto</li> <li>Wash off</li> </ul>	t of dangerous area. contaminated clothin fresh air. oms persist, call a ph with soap and plen	ng and shoes imme nysician. ty of water.	ediately.
	Description of first aid General advice If inhaled In case of skin contact	<ul> <li>First-aid Move out Take off</li> <li>Move to 1 If sympto</li> <li>Wash off If sympto</li> <li>Rinse im</li> </ul>	t of dangerous area. contaminated clothin fresh air. oms persist, call a ph with soap and plen oms persist, call a ph mediately with plent	ng and shoes imme nysician. ty of water. nysician.	

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Symptoms       : No information available.         Risks       : Aspiration hazard. corrosive effects         3 Indication of any immediate medical attention and special treatment needed         Treatment       : Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.         • Fire-fighting measures         • Lextinguishing media         Suitable extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Carbon dioxide (CO2) Dry powder Alcohol-resistant foam Water spray         Unsuitable extinguishing       : High volume water jet media         2. Special hazards arising from the substance or mixture         Specific hazards during fire fighting       : May form toxic gases on heating or in case of fire. Carbon monoxide Carbon dioxide (CO2) nitrogen oxides (NOX)         3. Advice for firefighters       : In the event of fire, wear self-contained breathing apparatus. for fire-fighters Further information         Special protective equipment for fire-fighters       : Use water spray to cool unopened containers.         . Accidental release measures       : Use water spray to cool unopened containers.         . Personal precautions, protective equipment and emergency procedures       Personal precautions	ersion 2.0	Revision Date 10.08.2011	Print Date 20.05.2
Risk       : Aspiration hazard. corrosive effects         1.3 Indication of any immediate medical attention and special treatment needed         Treatment       : Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.         3. Fire-fighting measures         5.1 Extinguishing media         Suitable extinguishing media         Subjective hazards arising from the substance or mixture         Specific hazards during fire         fighting         Specific hazards during fire         fighting         Special protective equipment         for fire-fighters         Further information         :       In the event of fire, wear self-contained breathing apparatus.         for fire-fighters         Further information         :       Use water spray to cool unopened containers.			
Risks       Aspiration hazard. corrosive effects         4.3 Indication of any immediate medical attention and special treatment needed         Treatment       Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.         5. Fire-fighting measures         5.1 Extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Specific hazards arising from the substance or mixture         Specific hazards during fire fighting         May form toxic gases on heating or in case of fire. Carbon monxide Carbon dioxide (CO2) nitrogen oxides (NOx)         5.3 Advice for firefighters         Special protective equipment for fire-fighters Further information         Further information         Stacidental release measures         6. Accidental release measures         6. Accidental release measures         6. Accidental release measures         6. Accidental release measures         6. Personal precautions       Wear personal protective equipment.         8. Environmental precautions       Wear personal protective equipment.         8. Environmental precautions       Do not flush into surface water or sanitary sewer system.	4.2 Most important symptoms an	d effects, both acute and delayed	
corrosive effects  4.3 Indication of any immediate medical attention and special treatment needed      Treatment         : Treat symptomatically.         For specialist advice physicians should contact the Poisons         Information Service.  5. Fire-fighting measures 5.1 Extinguishing media         Suitable extinguishing         : High volume water jet         media 5.2 Special hazards arising from the substance or mixture         Specific hazards during fire         fighting         : May form toxic gases on heating or in case of fire.         Carbon dioxide (CO2)             nitrogen oxides (NOx) 5.3 Advice for firefighters         Special protective equipment         : In the event of fire, wear self-contained breathing apparatus.         for fire-fighters         Further information         : Use water spray to cool unopened containers.  6. Accidental release measures 6. Accidental release measures         rersonal precautions         : Wear personal protective equipment. 6. Zenvironmental precautions         : Do not flush into surface water or sanitary sewer system.	Symptoms	: No information available.	
Treatment       : Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.         5. Fire-fighting measures       :         5.1 Extinguishing media       : Carbon dioxide (CO2) Dry powder Alcohol-resistant foam Water spray         Unsuitable extinguishing media       : Carbon dioxide (CO2) Dry powder Alcohol-resistant foam Water spray         Unsuitable extinguishing media       : May form toxic gases on heating or in case of fire. Carbon monoxide Carbon dioxide (CO2) nitrogen oxides (NOx)         5.3 Advice for firefighters       : In the event of fire, wear self-contained breathing apparatus. for fire-fighters         Special protective equipment for fire-fighters       : In the event of fire, wear self-contained breathing apparatus. to carbon dioxide (CO2) nitrogen oxides (NOx)         6. Accidental release measures       : Use water spray to cool unopened containers.         6.1 Personal precautions, protective equipment and emergency procedures Personal precautions       : Wear personal protective equipment.         6.2 Environmental precautions       : Do not flush into surface water or sanitary sewer system.	Risks	•	
For spécialist advice physicians should contact the Poisons Information Service.         5. Fire-fighting measures         5.1 Extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Carbon dioxide (CO2) Dry powder Alcohol-resistant foam Water spray         Unsuitable extinguishing media         5.2 Special hazards arising from the substance or mixture         Specific hazards during fire fighting         May form toxic gases on heating or in case of fire. Carbon monoxide Carbon monoxide Carbon monoxide (CO2) nitrogen oxides (NOx)         5.3 Advice for firefighters         Special protective equipment for fire-fighters Further information         Special protective equipment for fire-fighters         Further information         Carbon dioxide (CO2) nitrogen oxides (NOx)         5.4 Accidental release measures         6. Accidental release measures         6.1 Personal precautions, protective equipment and emergency procedures Personal precautions         Personal precautions       : Wear personal protective equipment.         6.2 Environmental precautions       : Do not flush into surface water or sanitary sewer system.	4.3 Indication of any immediate n	nedical attention and special treatmen	t needed
Dry powder       Alcohol-resistant foam         Water spray       Unsuitable extinguishing media         5.2 Special hazards arising from the substance or mixture         Specific hazards arising from the substance or mixture         Specific hazards during fire fighting       : May form toxic gases on heating or in case of fire. Carbon monoxide (CO2) nitrogen oxides (NOx)         5.3 Advice for firefighters       Special protective equipment introgen oxides (NOx)         5.3 Advice for firefighters       : In the event of fire, wear self-contained breathing apparatus. for fire-fighters is Use water spray to cool unopened containers.         6. Accidental release measures       6. Accidental release measures         6.1 Personal precautions, protective equipment and emergency procedures Personal precautions       : Wear personal protective equipment.         6.2 Environmental precautions       : Do not flush into surface water or sanitary sewer system.	Treatment	For specialist advice physicians shou	uld contact the Poisons
Suitable extinguishing media       : Carbon dioxide (CO2) Dry powder Alcohol-resistant foam Water spray         Unsuitable extinguishing media       : High volume water jet substance or mixture         5.2 Special hazards arising from the substance or mixture         Specific hazards during fire fighting       : May form toxic gases on heating or in case of fire. Carbon monoxide Carbon dioxide (CO2) nitrogen oxides (NOx)         5.3 Advice for firefighters       : In the event of fire, wear self-contained breathing apparatus. for fire-fighters Further information         5.4 Accidental release measures       : Use water spray to cool unopened containers.         6. Accidental release measures       : Wear personal protective equipment.         6.1 Personal precautions       : Wear personal protective equipment.         6.2 Environmental precautions       : Do not flush into surface water or sanitary sewer system.	5. Fire-fighting measures		
Dry powder       Alcohol-resistant foam         Water spray       Unsuitable extinguishing media         5.2 Special hazards arising from the substance or mixture         Specific hazards arising from the substance or mixture         Specific hazards during fire fighting       : May form toxic gases on heating or in case of fire. Carbon monoxide (CO2) nitrogen oxides (NOx)         5.3 Advice for firefighters       Special protective equipment introgen oxides (NOx)         5.3 Advice for firefighters       : In the event of fire, wear self-contained breathing apparatus. for fire-fighters Further information         Special protective equipment information       : Use water spray to cool unopened containers.         6. Accidental release measures       : Use water spray to cool unopened containers.         6.1 Personal precautions, protective equipment and emergency procedures       : Wear personal protective equipment.         6.2 Environmental precautions       : Wear personal protective equipment.	5.1 Extinguishing media		
media         5.2 Special hazards arising from the substance or mixture         Specific hazards during fire       : May form toxic gases on heating or in case of fire. Carbon monoxide Carbon dioxide (CO2) nitrogen oxides (NOx)         5.3 Advice for firefighters       : In the event of fire, wear self-contained breathing apparatus.         Special protective equipment for fire-fighters       : In the event of fire, wear self-contained breathing apparatus.         Further information       : Use water spray to cool unopened containers.         6. Accidental release measures       : Wear personal protective equipment.         6.1 Personal precautions       : Wear personal protective equipment.         6.2 Environmental precautions       : Do not flush into surface water or sanitary sewer system.	Suitable extinguishing media	Dry powder Alcohol-resistant foam	
Specific hazards during fire fighting       : May form toxic gases on heating or in case of fire. Carbon monoxide Carbon dioxide (CO2) nitrogen oxides (NOx)         5.3 Advice for firefighters       : In the event of fire, wear self-contained breathing apparatus. for fire-fighters         Further information       : Use water spray to cool unopened containers.         6. Accidental release measures         6.1 Personal precautions, protective equipment and emergency procedures         Personal precautions       : Wear personal protective equipment.         6.2 Environmental precautions       : Do not flush into surface water or sanitary sewer system.	media		
fighting       Carbon monoxide Carbon dioxide (CO2) nitrogen oxides (NOx)         5.3 Advice for firefighters       In the event of fire, wear self-contained breathing apparatus.         for fire-fighters       In the event of fire, wear self-contained breathing apparatus.         Further information       Is water spray to cool unopened containers.         6. Accidental release measures       Is water spray to cool unopened containers.         6.1 Personal precautions, protective equipment and emergency procedures Personal precautions       Is water spray to cool unopenet.         6.2 Environmental precautions       Is water personal protective equipment.         for precautions       Is water personal protective equipment.			n anna af fira
Special protective equipment for fire-fighters       In the event of fire, wear self-contained breathing apparatus.         Further information       Use water spray to cool unopened containers.         6. Accidental release measures       6.1 Personal precautions, protective equipment and emergency procedures         Personal precautions       Wear personal protective equipment.         6.2 Environmental precautions       Do not flush into surface water or sanitary sewer system.		Carbon monoxide Carbon dioxide (CO2)	in case of fire.
for fire-fighters       Event information       : Use water spray to cool unopened containers.         6. Accidental release measures       6.1 Personal precautions, protective equipment and emergency procedures         Personal precautions       : Wear personal protective equipment.         6.2 Environmental precautions       : Do not flush into surface water or sanitary sewer system.	5.3 Advice for firefighters		
Further information       : Use water spray to cool unopened containers.         6. Accidental release measures         6.1 Personal precautions, protective equipment and emergency procedures         Personal precautions       : Wear personal protective equipment.         6.2 Environmental precautions       : Do not flush into surface water or sanitary sewer system.		: In the event of fire, wear self-contain	ed breathing apparatus.
<ul> <li>6.1 Personal precautions, protective equipment and emergency procedures         <ul> <li>Personal precautions</li> <li>Wear personal protective equipment.</li> </ul> </li> <li>6.2 Environmental precautions         <ul> <li>Environmental precautions</li> <li>Do not flush into surface water or sanitary sewer system.</li> </ul> </li> </ul>		: Use water spray to cool unopened co	ontainers.
Personal precautions       : Wear personal protective equipment.         6.2 Environmental precautions       : Do not flush into surface water or sanitary sewer system.	6. Accidental release measure	S	
6.2 Environmental precautions Environmental precautions : Do not flush into surface water or sanitary sewer system.	6.1 Personal precautions, protect	ive equipment and emergency proced	lures
Environmental precautions : Do not flush into surface water or sanitary sewer system.	Personal precautions	: Wear personal protective equipment.	
	6.2 Environmental precautions		
	Environmental precautions		nitary sewer system.



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/ersion 2.0		Re	vision Date 10.08	8.2011	Print Date 20.05.20
5.3 Methods and m	aterials for c	ontainme	ent and cleaning	g up	
Methods for cle	aning up	Cor mat and	erial, (e.g. sand, transfer to a cor	ak up with non-con earth, diatomacec	nbustible absorbent ous earth, vermiculite) I according to local /
6.4 Reference to ot	her sections				
See chapter 8 a	ind 13				
7. Handling and s	torage				
7.1 Precautions for	safe handlir	ng			
Advice on safe	handling				exhaust in work rooms. dy at the work place.
Advice on prote fire and explosion		Nor	mal measures fo	urces of ignition - N r preventive fire pr measures against	rotection.
7.2 Conditions for s	safe storage	, includin	g any incompat	ibilities	
Requirements for areas and contain			p containers tigh tect from direct s		I, well-ventilated place.
Storage temper	ature	: 5-4	10 °C		
7.3 Specific end us	es				
Specific use(s)		: Red	penetrative liqu	id.	
			ation		
3. Exposure cont	•	ai prote	JUON		
3.1 Control parame	ters				
Components	CAS-No.	Value	Control pa- rameters	Update	Basis
2-(3- Methoxypro- poxy)propan- 1-ol	34590-94- 8	TWA	50 ppm 308 mg/m3	2000-06-16	2000/39/EC
Further informa- tion	: skin: Identi Indicative	fies the poss	sibility of significant u	ptake through the skin	

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a       34590-94- 8       TWA       50 ppm 308 mg/m3       2005-04-06       GB EH40         Further information       ::       Sk: Can be absorbed through skin. The assigned substances are those for which there are comment bat dermal absorption will easi to systemic toxicity. Where no specific short-term exposure limit is listed, a figure three times the long-term expo- sure should be used         2 Exposure controls       Engineering measures         Ensure adequate ventilation, especially in confined areas.         Personal protective equipment.         Respiratory protection       : In case of insufficient ventilation wear suitable respiratory equipment. Recommended Filter type: A-P2         Hand protection       : Nitrile rubber butlyl-rubber Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local condi- tions under which the product is used, such as the danger of cuts, abrasion, and the contact time.         Eye protection       ::       Eye protection (EN 166) Tightly fitting safety goggles         Skin and body protection       :       Chemical resistant protective clothing according to DIN EN 13034 (Type 6)         Hygiene measures       :       Take off contaminated clothing and shoes immediately. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and immediately after handling the product. Avoid contact with skin and eyes. Do not breathe vapour. Do not breathe vapour. Do not breathe vapour. Do not breathe vapour. Do	ersion 2.0		Revision Date 10.08.2011		Print Date 20.05.20	
tion       concerns that dermal absorption will lead to Systemic toxicity.         Where no specific sort-term exposure limit is listed, a figure three times the long-term exposure soure should be used         2 Exposure controls         Engineering measures         Ensure adequate ventilation, especially in confined areas.         Personal protective equipment         Respiratory protection       : In case of insufficient ventilation wear suitable respiratory equipment. Recommended Filter type: A-P2         Hand protection       : Nitrile rubber butyt-rubber Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.         Eye protection       : Eye protection (EN 166) Tighty fitting safety goggles         Skin and body protection       : Chemical resistant protective clothing according to DIN EN 13034 (Type 6)         Hygiene measures       : Take off contaminated clothing and shoes immediately. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and immediately after handling the product. Avoid contact with skin and eyes. Do not breathe vapour. Do not breathe spray.         Environmental exposure controls       : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.			TWA		2005-04-06	GB EH40
Ensure adequate ventilation, especially in confined areas.         Personal protective equipment         Respiratory protection       : In case of insufficient ventilation wear suitable respiratory equipment. Recommended Filter type: A-P2         Hand protection       : Nitrile rubber butyl-rubber Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local condi- tions under which the product is used, such as the danger of cuts, abrasion, and the contact time.         Eye protection       : Eye protection (EN 166) Tightly fitting safety goggles         Skin and body protection       : Chemical resistant protective clothing according to DIN EN 13034 (Type 6)         Hygiene measures       : Take off contaminated clothing and shoes immediately. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and immediately after handling the product. Avoid contact with skin and eyes. Do not breathe sporu. Do not breathe sporu. Do not breathe sporu. Do not breathe sporu.         General advice       : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.		concerns the Where no s	hat dermal a specific shor	bsorption will lead to	systemic toxicity.	
Respiratory protection       : In case of insufficient ventilation wear suitable respiratory equipment. Recommended Filter type: A-P2         Hand protection       : Nitrile rubber butyl-rubber Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local condi- tions under which the product is used, such as the danger of cuts, abrasion, and the contact time.         Eye protection       : Eye protection (EN 166) Tightly fitting safety goggles         Skin and body protection       : Chemical resistant protective clothing according to DIN EN 13034 (Type 6)         Hygiene measures       : Take off contaminated clothing and shoes immediately. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and immediately after handling the product. Avoid contact with skin and eyes. Do not breathe vapour. Do not breathe spray.         Environmental exposure controls       : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.	Engineering me	easures	especiall	y in confined are	as.	
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butyl-rubber Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local condi- tions under which the product is used, such as the danger of cuts, abrasion, and the contact time.Eye protection: Eye protection (EN 166) Tightly fitting safety gogglesSkin and body protection: Chemical resistant protective clothing according to DIN EN 13034 (Type 6)Hygiene measures: Take off contaminated clothing and shoes immediately. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and immediately after handling the product. Avoid contact with skin and eyes. Do not breathe vapour. Do not breathe spray.Environmental exposure controls: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.	Respiratory prote	ection	equ Rec	ipment. commended Filte		suitable respiratory
Tightly fitting safety goggles         Skin and body protection       : Chemical resistant protective clothing according to DIN EN 13034 (Type 6)         Hygiene measures       : Take off contaminated clothing and shoes immediately. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and immediately after handling the product. Avoid contact with skin and eyes. Do not breathe vapour. Do not breathe spray.         Environmental exposure controls       : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.	Hand protection		buty Pro Plea brea glov tion	yl-rubber tective gloves co ase observe the i akthrough time w yes. Also take into s under which the	instructions regard hich are provided o consideration the e product is used,	ling permeability and by the supplier of the e specific local condi-
13034 (Type 6)         Hygiene measures       : Take off contaminated clothing and shoes immediately. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and immediately after handling the product. Avoid contact with skin and eyes. Do not breathe vapour. Do not breathe spray.         Environmental exposure controls       : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.	Eye protection					
Keep away from food, drink and animal feedingstuffs.         Wash hands before breaks and immediately after handling the product.         Avoid contact with skin and eyes.         Do not breathe vapour.         Do not breathe spray.         Environmental exposure controls         General advice       : Do not flush into surface water or sanitary sewer system.         Avoid subsoil penetration.	Skin and body p	rotection			protective clothing	according to DIN EN
General advice : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.	Hygiene measur	es	Kee Wa proo Avo Do	p away from foor sh hands before duct. id contact with sl not breathe vapo	d, drink and anima breaks and immed kin and eyes. ur.	I feedingstuffs.
Avoid subsoil penetration.	Environmental	exposure c	ontrols			
7 / 12	General advice					ary sewer system.
				7 / 12		



# Ardrox 907PB Version 2.0 Revision Date 10.08.2011 9. Physical and chemical properties 9.1 Information on basic physical and chemical properties Appearance : liquid Colour : red Odour : hydrocarbon-like : > 93 °C Flash point Density : 0.86 g/cm3 at 20 °C 9.2 Other information

Explosivity

: no data available

#### 10. Stability and reactivity

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

#### Stable under normal conditions. 10.3 Possibility of hazardous reactions

Hazardous reactions : None known.

# 10.4 Conditions to avoid

Conditions to avoid : To avoid thermal decomposition, do not overheat. Keep away from open flames, hot surfaces and sources of ignition.

# 10.5 Incompatible materials

Materials to avoid

: Strong oxidizing agents

## 10.6 Hazardous decomposition products

## 11. Toxicological information

## 11.1 Information on toxicological effects

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#### Print Date 20.05.2014



Acute toxicity       : Acute oral toxicity         Acute oral toxicity       : Acute oral toxicity         Distillates (Petroleum), hy-       : LC         drotreated light Kerosine-       : LC         unspecified       : LC         Alcohol ethoxylate       : LC         2-(3-       : LC         Methoxypropoxy)propan-1-ol       Sp         Acute dermal toxicity       Distillates (Petroleum), hy-         unspecified       : LC         Acute dermal toxicity       : LC         Distillates (Petroleum), hy-       : LC         Acute dermal toxicity       : LC         Distillates (Petroleum), hy-       : LC         Acute dermal toxicity       : LC         Acute dermal toxicity       : LC         Acute dermal toxicity       : LC         Alcohol ethoxylate       : LC	Revision Date 10.08.2011       Print Date 20.05.20         cute toxicity estimate: 5,917.16 mg/kg         ethod: Calculation method         D50: > 15,000 mg/kg         D50: 300 - 2,000 mg/kg         pecies: rat         D50: 1,265 mg/kg         pecies: rat         D50: 5,135.0 mg/kg         pecies: rat
Acute oral toxicity: AcuteAcute oral toxicity: MaximumDistillates (Petroleum), hy- drotreated light Kerosine- unspecified: LDAlcohol ethoxylate: LDAmine derivative: LD2-(3- Methoxypropoxy)propan-1-ol: LDAcute dermal toxicity Distillates (Petroleum), hy- drotreated light Kerosine- unspecified: LDAcute dermal toxicity Distillates (Petroleum), hy- drotreated light Kerosine- unspecified Alcohol ethoxylate: LD	ethod: Calculation method D50: > 15,000 mg/kg D50: 300 - 2,000 mg/kg pecies: rat D50: 1,265 mg/kg pecies: rat D50: 5,135.0 mg/kg
Acute oral toxicity Distillates (Petroleum), hy- drotreated light Kerosine- unspecified Alcohol ethoxylate:LE SpAmine derivative:LE Sp2-(3- Methoxypropoxy)propan-1-ol:LE SpAcute dermal toxicity Distillates (Petroleum), hy- drotreated light Kerosine- unspecified Alcohol ethoxylate:LE LE LE LE LE LE LE 	ethod: Calculation method D50: > 15,000 mg/kg D50: 300 - 2,000 mg/kg pecies: rat D50: 1,265 mg/kg pecies: rat D50: 5,135.0 mg/kg
Distillates (Petroleum), hy- drotreated light Kerosine- unspecified: LE SpAlcohol ethoxylate: LE SpAmine derivative: LE Sp2-(3- Methoxypropoxy)propan-1-ol: LE SpAcute dermal toxicity Distillates (Petroleum), hy- drotreated light Kerosine- unspecified Alcohol ethoxylate: LE LE LE LE LE LE LE LE 	D50: 300 - 2,000 mg/kg pecies: rat D50: 1,265 mg/kg pecies: rat D50: 5,135.0 mg/kg
Alcohol ethoxylate:LEAmine derivative:LEAmine derivative:LE2-(3- Methoxypropoxy)propan-1-ol:LEAcute dermal toxicity Distillates (Petroleum), hy- drotreated light Kerosine- unspecified Alcohol ethoxylate:LE	pecies: rat D50: 1,265 mg/kg pecies: rat D50: 5,135.0 mg/kg
2-(3- Methoxypropoxy)propan-1-ol Acute dermal toxicity Distillates (Petroleum), hy- drotreated light Kerosine- unspecified Alcohol ethoxylate	pecies: rat D50:  5,135.0 mg/kg
Methoxypropoxy)propan-1-ol Sp Acute dermal toxicity Distillates (Petroleum), hy- drotreated light Kerosine- unspecified Alcohol ethoxylate : LD	
Distillates (Petroleum), hy- : LD drotreated light Kerosine- unspecified Alcohol ethoxylate : LD	
Alcohol ethoxylate : LD	D50: > 3,160 mg/kg
Sp	D50: > 2,000 mg/kg pecies: rat
	D50: > 19,000.0 mg/kg pecies: rat
Skin corrosion/irritation	
Skin irritation : Ma	ay cause skin irritation in susceptible persons.
Serious eye damage/eye irritation	
Eye irritation : Ca	auses serious eye damage.
Respiratory or skin sensitization	
Sensitisation : no	o data available
Human experience : R	Repeated exposure may cause skin dryness or cracking.
Aspiration hazard	
Aspiration toxicity : Ma	ay be fatal if swallowed and enters airways.
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2. Ecological information	
2.1 Toxicity	
Ecotoxicology studies for the p	product are not available.
Toxicity to fish Alcohol ethoxylate	: LC50: > 10 - 100 mg/l Species: Fish
Amine derivative	: LC50: 0.3 mg/l
2-(3- Methoxypropoxy)propan-1-ol	: LC50: > 10,000 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow)
Toxicity to daphnia and other a Alcohol ethoxylate	aquatic invertebrates. : LC50: > 1 - 10 mg/l Species: Daphnia
Amine derivative	: EC50: 0.37 mg/l Species: Daphnia
2-(3- Methoxypropoxy)propan-1-ol	: LC50: 1,919 mg/l Exposure time: 48 h Species: Daphnia
Toxicity to algae Alcohol ethoxylate	: EC50: > 10 - 100 mg/l
2-(3- Methoxypropoxy)propan-1-ol	: EC50: > 969 mg/l Exposure time: 96 h Species: Pseudokirchneriella subcapitata
2.2 Persistence and degradabili	ty
Biodegradability	: no data available
2.3 Bioaccumulative potential	
Bioaccumulation	: no data available
2.4 Mobility in soil	
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Distribution among environ- mental compartments 12.5 Results of PBT and vPvB as	: no data available	
no data available		
12.6 Other adverse effects		
Additional ecological informa- tion	: water endangering Do not flush into surface water or sar Do not allow material to contaminate	
13. Disposal considerations		
13.1 Waste treatment methods		
Product	: Dispose of in accordance with local re	egulations.
Contaminated packaging	: Dispose of as unused product.	
Waste Code	: Waste codes should be assigned by discussion with the waste disposal au	
I4. Transport information		
Not dangerous goods IATA Not dangerous goods		
IMDG Not dangerous goods		
<b>RID</b> Not dangerous goods		
15. Regulatory information		
15.1 Safety, health and environm	ental regulations/legislation specific fo	or the substance or mixture
Water contaminating class (Germany)	: WGK 2 water endangering VWVWS A4	
Other regulations	: The product is classified and labelled directives or respective national laws	
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Ardrox 907PB		
/ersion 2.0	Revision Date 10.08.2011	Print Date 20.05.2014
	Regional or national implementation ment all hazard classes and categor	
15.2 Chemical Safety A Chemical Safe	<b>y Assessment</b> ty Assessment is not required for this substance.	
16. Other informat	ion	
Full text of R-ph	nrases referred to under sections 2 and 3	
R22 R34 R36 R41 R50/53 R62 R65 R66 <b>Full text of H-St</b> EUH066 H302 H304 H314 H318 H361f	Harmful if swallowed. Causes burns. Irritating to eyes. Risk of serious damage to eyes. Very toxic to aquatic organisms, may cause lo the aquatic environment. Possible risk of impaired fertility. Harmful: may cause lung damage if swallowe Repeated exposure may cause skin dryness of tatements referred to under sections 2 and 3. Repeated exposure may cause skin dryness of Harmful if swallowed. May be fatal if swallowed and enters airways. Causes severe skin burns and eye damage. Causes serious eye damage. Suspected of damaging fertility.	d. or cracking. or cracking.
H410	Very toxic to aquatic life with long lasting effect	cts.
Nota H	The classification and label shown for this sub dangerous property(ies) indicated by the risk with the category(ies) of danger shown. The r and downstream users of this substance shal investigation to make themselves aware of the data which exists for all other properties to cla stance. The final label shall follow the required nex VI of this Directive.	phrase(s) in combination manufacturers, importers I be obliged to carry out an e relevant and accessible assify and label the sub-
Further informa	tion	
as delivered. Rec datasheet does r	provided is based on our current knowledge and expe garding the product properties, these are not guarante not free the recipient of the product from his own respo tions concerning this product.	eed. The delivery of this safety
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