

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

**1. Introduction**

This specification lists substances , the use of which in PBR products is either prohibited or limited .

The list is compiled from PBR's Original Equipment customer information , and is based on existing legislation and on self imposed regulations in the interests of personnel and environmental safety .

**2. Definitions**

2.1 Type of restriction .

2.1.1 "Prohibited" means the use of the particular substance above the threshold limits is forbidden unless technical requirements make use of this substance absolutely necessary , in which case a deviation from this regulation must be approved by all affected PBR departments (on the PBR deviation form) and from PBR's customer on the relevant customer documentation.

2.1.2 "Restricted" means future prohibition is possible and use of the particular substance above the threshold limits must be declared to the customer (i.e. From PBR's supplier to PBR) , and that these substances must be replaced by other non restricted substances as soon as acceptable technology and economics permit.

2.2 "Threshold limit" . - Unless stated otherwise :

- For General Motors; (Ref GM World wide Engineering standard GMW3059 , issued August 1999) the limit is 0.1% by mass . This percentage is to be calculated for the single part or surface treatment , not based on assemblies . If not specified in the chart below , test

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 1 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

methods for the presence of metals can include atomic absorption , of organics by gas chromatography , and of fibres by polarised light microscopy .

- For Ford ; (Ref Ford Engineering Material Specification WSS-M99P9999-A1 issued August 1999) the substance concerned should either not be deliberately added , or not be present in trace quantities above those associated with best industry practice .
- For PBR ; both the General Motors and Ford requirements stated above shall be met .

### 3. Declaration of conformance to MS1131

Suppliers of components for use in PBR assemblies (including internal PBR plants) shall complete form FG30-016 and submit the form with other PPAP documentation at the time of PPAP submission .

### 4. Restricted substances chart .

Type	Substance	CAS number	Type of restriction	Threshold limit	Likely PBR applications	Comments	listed by PBR customer (D=Delphi , F=Ford , G=General Motors , T=TMC)
Acrylate monomers	Ethyl acrylate	140-88-5	prohibited				T
	Methyl acrylate	96-33-3					T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 2 OF 29	<b>MS 1131</b>

PBR Automotive Pty. Ltd.

MATERIAL SPECIFICATION

MS 1131

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

	Methyl methacrylate						T
Asbestos	Asbestos as a group	Includes : 132207-33-1 132207-32-0	prohibited		Lining material , gaskets , insulation	(test to GM QU000004	F,D
	Actinolite	13768-00-8 77536-66-4	prohibited				D,G,F,T T,D
	Amosite	12172-73-5	prohibited				D,G,F,T
	Anthophyllite	17068-78-9 77536-67-5	Prohibited prohibited				D,G,F,T T
	Ascarite (II) ( R )	1332-21-4	prohibited				T,D
	Chrysotile	12001-29-5	prohibited				D,G,F,T
	Crocidilite	12001-28-4	prohibited				D,G,F,T
	Tremolite	14567-73-8 77536-68-6	Prohibited prohibited				D,G,F,T T,D
Azo compounds , Amines					Dyes , lubricants , rubber , plastics		D,G,F,T
	o-Aminoazotoluene salts	various	restricted			T	
	4-Aminoazobenzene	60-09-3	restricted			D,G,F,T	
	4-aminobiphenyl	000092-67-1	restricted			D,G,F,T	
	4-Aminobiphenyl salts	group	prohibited			D,G,F,T	
	2-amino-4-nitrotoluene salts	group	prohibited			D,G,F,T	
	3-Aminophenol	591-27-5	Restricted			T	
	Aniline and its salts	62-53-3	Restricted			T	
	Atrazine	1912-24-9	restricted			T	
	Auramine	492-80-8	restricted			D	
Benzidine	000092-87-5	prohibited	>100 ppm		D,G,F,T		

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 3 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

Benzidine salts	group	prohibited				D,G,F,T
(1.1'-Biphenyl)-4.4'-diamine salts		Restricted				T
4.4'-Bi-o-toluidine	119-93-7	Restricted				T
Carbaryl	63-25-2	restricted				T
Carbofuran	1563-66-2	restricted				D,G,F,T
p-chloroaniline salts	group	prohibited				D,G,F,T
4-chloro toluidine salts	group	prohibited				D,G,F,T
p-Cresidine salts	group	prohibited				D,G,F,T
2.4-diaminoanisol salts	group	prohibited				D,G,F,T
4.4-diaminodiphenyl methane salts	group	prohibited				D,G,F,T
Diazamethane	334-88-3	Restricted				T
2,4-Diaminotoluene	9580-7	restricted				T
3.3-Dimethoxy benzidine salts	group	prohibited				D,G,F,T
3.3-Dimethoxybenzidine ; o-dianisidine	119-90-4					D,G,F,T
3.3-Dimethylbenzidine salts	group	prohibited				D,G,F,T
3.3-Dimethyl-4.4-diaminodiphenylmethane salts	group	prohibited				D,G,F,T
N,N-Dimethylhydrazine	57-14-7	restricted				T
1,2-Dimethylhydrazine	540-73-8	restricted				D,G,F,T
1,2-Diphenylhydrazine	122-66-7	prohibited				D,G,F,T
Direct blue 6	2602-46-2	prohibited				D,G,F,T
Direct black 38	1937-37-7	prohibited				D,G,F,T
Disodium ---	16071-86-6	Restricted				T
Ethyleneimine	151-56-4	Restricted				T
Fenobucarb	3766-81-2	Restricted				T
2-Methoxyaniline ; o-anisidine	90-04-0	Restricted				T
m-Methylaniline	100-61-8	Restricted				T
4,4-Methylenedianiline	101-77-9	restricted				T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 4 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

4.4-methylene-to (2-chloraniline) salts	group	prohibited				D,G,F,T
Methyl azoxy methyl acetate	592-62-1	restricted				T
4.4'-Methylenedi ; o-dianisidine	101-77-9	prohibited				D,G,F,T
2-Naphtylamin	91-59-8	restricted				T
2-naphthylamine salts	group	prohibited				D,G,F,T
Nitrosodipropylamine	621-64-7	Restricted				T
2.2-(Nitrosoimino)bisethenol	1116-54-7	restricted				T
4.4-Oxydianiline salts	group	prohibited				D,G,F,T
N-Phenyl-beta-naphthylamine	135-88-6	prohibited				D,G,F,T
m-phenylenediamene	108-45-2	Restricted				T
o-phenylenediamene	95-54-5	Restricted				T
p-Phenylenediamene	106-50-3	Restricted				T
Propylenemine	75-55-8	restricted				T
Thiodianiline salts	group	prohibited				D,G,F,T
m-Toluidine	108-44-1	restricted				D
o-Toluidine	000095-53-4	restricted				D,G,F,T
p-Toluidine	000106-49-0	restricted				D,G,F,T
o-Toluidine salts	group	prohibited				D,G,F,T
2.4-Toluyldiamine salts	group	prohibited				D,G,F,T
4-o-Tolylazo-o-toluidine	97-56-3	prohibited				D,G,F,T
2,4,5-Trimethylaniline salts	various	prohibited				D,G
3,4-Xyladine	95-64-7	restricted				T
Chlorinated hydrocabons						
Bis-Chloromethyl Ether (BCME)	542-88-1	prohibited				D,F,G,T
Carbon tetrachloride (Tetrachloromethane)	56-23-5	prohibited			Drying agent , solvent , insecticide	D,F,G,T
Dichloromethane (Methylene chloride)	75-09-2	prohibited			Solvent , degreasing	D,F,G,T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 5 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

	1.1.1-Trichloroethane	71-55-6	prohibited		Metal cleaning		D,F,G,T
	1.1.2 or 1.2.2-Trichloroethane	79-00-5	prohibited		Solvent		D,F,G,T
Aliphatic and Aromatic Hydrocarbons	Acetone	67-64-1	restricted				D,T
	Benzene	71-43-2	restricted				D,T
	1-Butanol (Butyl alcohol)	71-36-3	restricted				D,T
	Ethylbenzene	100-41-4	restricted				D,T
	n-Hexane	100-54-3	restricted				D,T
	Isopropyl benzene (Cumene)	98-82-8	restricted				D,T
	Methanol	67-56-1	restricted				D,T
	Methyl Ethyl Ketone (MEK)	78-93-3	restricted				D,T
	Methyl-N-Butyl Ketone	591-78-6	restricted				D,T
	Naphthalene	91-20-3	restricted				D,T
	Toluene	108-88-3	restricted				T
	2-Vinylpyridine	100-69-6	Restricted				T
	Dibenza(a,h)anthracene	53-73-3	Restricted				T
	Benzoanthracene	56-55-3	Restricted				T
	Benzo(a)fluorothene	205-99-2	Restricted				T
	Benzo(a)pyrene	50-32-8	Restricted				T
	Benzo(b)fluoroanthene	205-99-2	Restricted				T
	Benzo(j)fluoroanthene	205-82-3	Restricted				T
	Benzo(k)fluoroanthene	207-08-9	Restricted				T
	Methoxalen	298-81-7	Restricted				T
Warfarin	81-81-2	Restricted				T	
Acenanaphthalene	83-32-9	Restricted				T	
Chloronaphthalene	25586-43-0	Restricted				T	
Alpha-Diphenylenemethane		Restricted				T	
Phenanthrene	85-01-8	Restricted				T	

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 6 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

Anthracene	120-12-7	Restricted				T
Fluorothene	206-44-0	Restricted				T
Pyrene	129-00-0	Restricted				T
Chrysene	218-01-9	Restricted				T
Benzo[a]perylene		Restricted				T
Benzo[g,h,i]perylene	191-24-2	Restricted				T
Benzo[cd,lm]perylene		Restricted				T
Indeno[1,2,3-cd]pyrene	193-39-5	Restricted				T
Cumene	98-82-8	Restricted				T
Styrene monomer	100-42-5	Restricted				T
Nitrobenzene	98-95-3	Restricted				T
2,4-Dinitrotoluene	121-14-2	Restricted				T
2,6-Dinitrotoluene	606-20-2	Restricted				T
Xylene	1330-20-7	Restricted				T
Acetonitrile	75-05-8	Restricted				T
Cyclohexane	110-82-7	Restricted				T
Ethanol	64-17-5	Restricted				T
2-Ethoxyethanol	110-80-5	Restricted				T
2-Ethoxyethanol acetate	111-15-9	Restricted				T
Ethyl acetate	141-78-6	Restricted				T
Ethyl butyl ketone	106-35-4	Restricted				T
Ethylene glycol (1,2-ethanediol)	107-21-1	Restricted				T
Ethylene oxide	72-21-8	Restricted				T
2-Methoxyethanol	109-86-4	Restricted				T
2-Methoxyethanol acetate	110-49-6	Restricted				T
Methyl isobutyl ketone	108-10-1	Restricted				T
Nitrotoluene		Restricted				T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 7 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

Flame retardants	Polybrominated biphenyls (PBBs)	Includes: 59536-65-1					D,F,
	Monomethyldibromodiphenylmethane (DBBT)	099688-47-8	prohibited				D,G
	Monomethyldichlorodiphenylmethane	076253-60-6	prohibited				D,G
	Monomethyltetrachlorodiphenylmethane		prohibited				D,G
	Polybromated Terphenyl (PBTs)	059536-65-1	prohibited				D restricted,G
	Polybrominated diphenyl ethers (PBDEs)	Inc. 59536-65-1 , & others	prohibited				D,G
	Tris(2,3-dibromopropyl) Phosphate	126-72-7	Restricted				T
Amides	Acrylamide	79-06-1	restricted				T
	Acetamide	60-35-5	restricted				D,G
	Hexamethylphosphoric triamide	680-31-9	Restricted				T
Alcohols	Allyl alcohol	107-18-6	Restricted				T
	Ethyl hexyleneglycol(6-12)	94-96-2	Restricted				T
Aldehydes	Acrolein	107-02-8	Restricted				T
	Acetaldehyde	75-07-0	Restricted				T
	Glyoxal	107-22-2	Restricted				T
	Benzaldehyde	100-52-7	restricted				T
	Acrylonitrile	107-13-1	prohibited				D,F,G,T
	Formaldehyde	50-00-0	prohibited				D,F,G,T
	Glyphosphate	1071-83-6	Restricted				T
	Gluteraldehyde	111-30-8	Restricted				T, D
Aluminium compounds	Aluminum phosphide (AIP)	20859-73-8	Restricted				T
Sulphuric compounds	Isoprothiolane	50512-35-1	Restricted				T
	Benzoepin	115-29-7	Restricted				T
	Simetryn	1014-70-6	Restricted				T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 8 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

	Thiram	137-26-8	Restricted				T
	Thiourea	62-56-6	Restricted				T
	Thiobencarb	28249-77-6	Restricted				T
	Triphenyltin=N,N-dimethyldithiocarbamate	1803-12-9	Restricted				T
	Tributyltin=sulfamate	6517-25-5	Restricted				T
	Molinate	2212-67-1	Restricted				T
	Carbon disulfide	75-15-0	restricted				T
	1,2,3,6-Tetrahydro-N-(1,1,2,2-tetrachloroethyltrio)phthaline	2425-06-1	restricted				T
	Dimethyl sulphate	77-78-1	Restricted				T
	Thiocetamide	62-55-5	Restricted				T
	Diethyl sulphate	64-67-5	Restricted				T
	Sulfallate	95-06-7	Restricted				T
Isocyanate compounds	Isophorone diisocyanate	4098-71-9	restricted				T
	MDI – Methylene-bis-phenyl	101-68-8	restricted				
	Toluene-2,4-diisocyanate	584-84-9	restricted				
	Toluene-2,6-diisocyanate	91-08-7	restricted				
Esters / Phthalates	Dimethyl tetraphthalate	120-61-6	prohibited				T
	Diheptyl phthalate	3648-21-3	prohibited				T
	Butyl benzyl phthalate (BBP)	000085-68-7	restricted				D,F,G, T)
	Di-n-octyl-phthalate (DOP)	000117-84-0	restricted				D,G, T
	Dibutylphthalate (DBP)	0084-74-2	restricted				D,G, T
	Dimethyl phthalate	000131-30-8	restricted				D,G
	Dimethyl phthalate	113-11-3	restricted				T
	Di-n-octyl-phthalate (DOP)	000117-84-0	restricted			(test to GM QU000002)	D,G
	Diocetyl phthalate	117-81-7	prohibited				F,T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE	12 Feb 01	CHECKED BY DATE	APPROVED BY DATE	SHEET 9 OF			
KCR		KCR	KCR	29			<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

	Bis(2ethylhexyl)phthalate	27554-26-3	prohibited				T
	Di-(2-ethylhexyl)phthalate (DEHP)	000117-81-7	restricted				D,G, T(restricted)
	Phthalate?	26761-40-0	restricted				F
Ethers	Ethylene oxide	75-21-8	Restricted				T
	Safrole	94-59-7	Restricted				T
	Styrene oxide	96-09-3	Prohibited				D,G, T(restricted)
	Bis(chloromethyl) ether (BCME)	542-88-1	Prohibited				D,G,T
	Bis(2-chloroethyl) ether	111-44-4	Restricted				T
	Bis(2-chloroethoxy) methane		Restricted				T
	Bis(2-chloroisoprop) ether		Restricted				T
	4.Chlorophenyl phenyl ether		Restricted				T
	2.Chlorovinyl ether		restricted				T
Glycol Ethers – Ethyl / Methyl	Ethyl ether (2-Exoethanol)	110-80-5	Restricted				D,G
	Ethyl ether acetate	111-15-9	Restricted				D,G
	Methyl ether (methoxyethanol)	109-86-4 , 111-86-4	Restricted				D,G
	Methyl ether acetate (3-Methoxyethanol acetate)	110-49-6	restricted				D,G
Olefinic hydrocarbons	1,3-Butadiene	106-99-0	restricted				D,G, T(prohibited)
Cadmium and its compounds	Cadmium	7440-43-9	Prohibited restricted	>75ppm <75ppm			D,F,G,T
	Compounds Cadmium cyclohexanebutyrate Cadmium formate Diethylcadmium Dimethylcadmium Cadmium zirconium oxide	Includes: 55700-14-6 4464-23-7 592-02-9 506-82-1 12139-23-0	Prohibited restricted	>75ppm <75ppm		(test to GM QU000001)	D,F,G,T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 10 OF 29	<b>MS 1131</b>

PBR Automotive Pty. Ltd.

MATERIAL SPECIFICATION

MS 1131

TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

	Cadmium tungsten oxide Cadmium telluride Cadmium niobium oxide Brucine Cadmium fluoroborate Cadmium molybdenum oxide Cadmium phosphide Cadmium chloride  Cadmium oxide Cadmium bromide tetrahydrate Nitric acid , cadmium salt Cadmium acetate dihydrate Cadmiumcarbonate Sulfur dichloride Cadmium sulfide Cadmium sulphate Cadmium sulfate octahydrate	7790-85-4 1306-25-8 12187-14-3 357-57-3 14486-19-2 13972-68-4 12014-28-7 10108-64-2 7790-78-5 1306-19-0 13464-92-0 10325-94-7 5743-04-4 513-07-0 10545-99-0 1306-23-6 10124-36-4 15244-35-6					
Chromium	Chromium	007440-47-3	restricted				D,G, T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 11 OF 29	<b>MS 1131</b>

PBR Automotive Pty. Ltd.

## MATERIAL SPECIFICATION

MS 1131

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

and compounds	Chromium (VI) – salt / Hexavalent (Cr6+) compounds	Includes: 18540-29-9 7789-09-5 13765-19-0 7758-97-6 7789-00-6 7778-50-9 7775-11-3 10588-01-9 7789-12-0 7789-06-2 13530-65-9	prohibited	>0.01% (Ford req't)		Test to ISO 3613 Section 3.3 (No clear coats permitted)	F
	Chromium (VI) – salt / Hexavalent (Cr6+) compounds	Includes: 18540-29-9 7789-09-5 13765-19-0 7758-97-6 7789-00-6 7778-50-9 7775-11-3 10588-01-9 7789-12-0 7789-06-2 13530-65-9	restricted	<0.01% (Ford req't)		Test to ISO 3613 Section 3.3 (No clear coats permitted)	F

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 12 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

	Chromium (VI) – salt / Hexavalent (Cr6+) compounds Potassium chromate Chromium (III) compounds	Includes: 18540-29-9 7789-09-5 13765-19-0 7758-97-6 7789-00-6 7778-50-9 7775-11-3 10588-01-9 7789-12-0 7789-06-2 13530-65-9	restricted til 1/1/2003 , prohibited after .	>0.01 µg/cm2 (GM req't)		Test to ISO 3613 Section 3.3 (No clear coats permitted)	D,G,T
	Chromium iii compounds	7789-00-6	restricted				T
	Chromium VI compounds	7440-47-3	restricted				T
Cyanide & its compounds	Cyanide	57-12-5	restricted				T
	Cyanide compounds including : 1,1-Methylenebis(4-isocyanatocyclohexane) Chlorothalonil(2,4,5,6-Tetrachloro-1,3- benzenedicarbonitrile) Phenvalerate Methylenebis (phenylisocyanate)	5124-30-1 1897-45-6 51630-58-1 101-68-8	restricted				T
Mercury & its	Mercury	7439-97-6	prohibited				D,F,G,T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 13 OF 29	<b>MS 1131</b>

PBR Automotive Pty. Ltd.

## MATERIAL SPECIFICATION

MS 1131

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

compounds	Mercury compounds , including: Phosphoric acid hydrogen bis[ethylmercury(II)]s Methylmercuric dicyandiamide Bis(phenylmercury)dodeceny succinate Diethylmercury Dimethylmercury Methyl mercury Ethylmercury chloride Mercuric chloride (C <sub>7</sub> H <sub>14</sub> ClHg) Mercury chloride (I) Cl <sub>2</sub> Hg <sub>2</sub> Mercurous chloride Mercuric chloride Mercury (II) oxide Phenylmercury acetate	2240-45-1 502-39-6 104-60-9 27236-65-3 627-44-1 593-74-8 22967-92-6 107-27-7 33631-63-9 10112-91-1 7546-30-7 7487-94-7 21908-53-2 62-38-4	prohibited	>10ppm			D,F,G,T
-----------	--	--	------------	--------	--	--	---------

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 14 OF 29	<b>MS 1131</b>

PBR Automotive Pty. Ltd.

MATERIAL SPECIFICATION

MS 1131

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

Tin compounds	Tin compounds : Copolymers of alkyl(c-8)=acrylate , methyl=methacrylate,tributyltin=methacrylate \\Di-mu-oxo-di-n-butyl stannic hydroxyborane (DBB) Cyhexatin (tricyclohexyltin hydroxide) Tributyltin flouride Triphenyl tin=chloroacetate Triphenyl tin = flouride Tributyltin=1,2,3,4,4a,4b,5,6,10,10a-decahydro-7- isoprpyl-1,4a-dimethyl-1-phenanthrenecarboxylate & related compounds Tribuyltin chloride Tribuyltin=naphthenate Tribuyltin methacrylate Tribuyltin acetate Tribuyltin laurate Bis (tributyltin) oxide Bis (tributyltin)meso-2,3-dibromo succinate Bis (tributyltin)phthalate Bis (tributyltin)fumarate Bis (tributyltin)=maleate Triphenyltin acetate Triphenyltin chloride Fentin hydroxide (hydroxytriphenyltin) Hexakis(beta,beta- dimethylphenethyl)distannoxane	Includes: 67772-01-4  75113-37-0  13121-70-5 1983-10-4 7094-94-2 379-52-2 26239-64-5  1461-22-9 85409-17-2 2155-70-6 56-36-0 3090-36-6 56-35-9 31732-71-5 4782-29-0 6454-35-9 14275-57-1 900-95-8 639-58-7 76-87-9 13356-08-6	restricted				D,G,T
	Tin organic compounds		restricted				D,G,T
Copper	Copper & compounds	7440-48-4	restricted				T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 15 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

compounds	Copper & compounds (alloys , electronics and wiring exempt)	7440-50-8	restricted				D,G
	Oxine copper	10380-28-6	restricted				D,G,T
Sodium compounds	Sodium azide	26628-22-8	restricted				D,G,T
	Sodium nitrite	7623-00-0	restricted				D,G
Cobalt	Cobalt	7440-48-4	restricted				D,G,T
Lead & compounds	Lead & lead compounds in colour pigments , polymer stabilizers and in massive form but excepting ferrous and non-ferrous alloys	7439-92-1	prohibited				,F
			restricted				D,G,T
	Lead and lead compounds – all other products		restricted				D,F,G,T,
	Tetraalkyl lead		restricted				T
Nickel & compounds	Nickel (alloys exempt)	7440-02-0	restricted				D,F,G,T
	Nickel tetracarbonyl	13463-39-3	restricted				T
	Nickel subsulphide	12035-72-2	restricted				T
Thallium & compounds	Thallium and compounds	7440-28-0	restricted				D,G
Nitro compounds	2,5-Dichloronitrobenzene	89-61-2	Restricted				T
	1-Chloro-2,4-dinitrobenzene	97-00-7	Restricted				T
	p-Nitroaniline	100-01-6	Restricted				T
	4-Nitrobiphenyl and salts	92-93-3	Restricted				T
	Nitrosodiphenylamine	86-36-6	Restricted				T
	Chlomitrofen	1836-77-7	Restricted				T
	Methylidinitrobenzene	25321-14-6	Restricted				T
	Dinoseb(4,6-Dinitro-2-sec butylphenol)	88-85-7	Restricted				T
	Trifluralin	1582-09-8	Restricted				T
	Nitrofen	1836-75-5	Restricted				T
Pyriminil	53558-25-1	Restricted				T	

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 16 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

	Binapacryl	485-31-4	Restricted				T
	2-Nitroanisole	91-23-6	Restricted				T
	1-Methyl-3-nitro-1-nitrosoguanidine	70-25-7	Restricted				T
	2-Nitropropane	79-46-9	Restricted				T
	Dimethylnitrosoamine	62-75-9	Restricted				T
N-Nitrosamide	Nitrosamides (as a group)	various	Restricted		Rubber components		D,F,G
N-Nitrosamines	N-Nitrosodi-n-butylamine	000924-16-3	Restricted		Rubber components		D,F,G
	N-Nitrosodiethanolamine	001116-54-7	Restricted				D,F,G
	N-Nitrosodiethylamine	000055-18-5	Restricted				D,F,G
	N-Nitrosodimethylamine	000062-75-9	Restricted				D,F,G
	N-Nitrosodi-i-propylamine	000601-77-4	Restricted				D,F,G
	N-Nitrosodi-n-prpylamine	000621-64-7	Restricted				D,F,G
	N-Nitrosoethylphenylamine	000612-64-6	Restricted				D,F,G
	N-Nitrosomethylphenylamine	000614-00-6	Restricted				D,F,G
	N-Nitrosomethylethylamine	010595-95-6	Restricted				D,F,G
	N-Nitrosomorpholin	000059-89-2	Restricted				D,F,G
	N-Nitrosopiperidine	000100-75-4	Restricted				D,F,G
	N-Nitrosopyrrolididine	000930-55-2	Restricted				D,F,G
Halogen compounds / Hydrocholofluorocarbons	HCFC-21 Dichlorofluoromethane	75-43-41	Prohibited				D,F,G,T
	HCFC-22 Chlorodifluoromethane	75-45-6	Prohibited				D,F,G,T
	HCFC-31 Chlorofluoromethane	593-70-4	Prohibited				D,F,G,T
	HCFC-121 1,1,2,2-Tetrachloro-1- fluoroethane	354-14-3	Prohibited				D,F,G,T
	HCFC-121a 1,1,1,2-Tetrachloro-2-fluoroethane	354-11-0	Prohibited				D,F,G,T
	HCFC-122 1,2,2-Trichloro-1,1-difluoroethane	354-21-2	Prohibited				D,F,G,T
	HCFC-122a 1,2,2-Trichloro-1,2-difluoroethane	354-15-4	Prohibited				D,F,G,T
	HCFC-123 2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	Prohibited				D,F,G,T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 17 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

HCFC-124 2-Chloro-1,1,1,2-tetrafluoroethane	2837-89-0	Prohibited				D,F,G,T
HCFC-124a 1-Chloro-1,1,2,2-tetrafluoroethane	354-25-6	Prohibited				D,F,G,T
HCFC-131 1,1,2-Trichloro-2-fluoroethane	359-28-4	Prohibited				D,F,G,T
HCFC-131a 1,1,2-Trichloro-1-fluoroethane	811-95-0	Prohibited				D,F,G,T
HCFC-131b 1,1,1-trichloro-2- fluoroethane	2366-36-1	Prohibited				D,F,G,T
HCFC-132 1,2-Dichloro-1,2-difluoroethane	431-06-1	Prohibited				D,F,G,T
HCFC-132a 1,1-Dichloro-2,2-difluoroethane	471-43-2	Prohibited				D,F,G,T
HCFC-132b 1,2-Dichloro-1,1-difluoroethane	1649-08-7	Prohibited				D,F,G,T
HCFC-133 1-Chloro-1,2,2-trifluoroethane	431-07-2	Prohibited				D,F,G,T
HCFC-133a 1,Chloro-1,1,1-trifluoroethane	75-88-7	Prohibited				D,F,G,T
HCFC-133b 1-Chloro-1,1,2-trifluoroethane	421-04-5	Prohibited				D,F,G,T
HCFC-141 1,2-Dichloro-1-fluoroethane	430-57-9	Prohibited				D,F,G,T
HCFC-141a 1,1-Dichloro-2-fluoroethane	430-53-5	Prohibited				D,F,G,T
HCFC-141b 1,1-Dichloro-1-fluoroethane	1717-00-6	Prohibited				D,F,G,T
HCFC-142 2-Chloro-1,1-difluoroethane	338-65-8	Prohibited				D,F,G,T
HCFC-142a 1,Chloro-1,2-difluoroethane	338-64-7	Prohibited				D,F,G,T
HCFC-142b 1-Chloro-1,1-difluoroethane	75-68-3	Prohibited				D,F,G,T
HCFC-151 Chlorofluoroethane	110587-14-9	Prohibited				D,F,G,T
HCFC-221 Hexachlorofluoropropane	29470-9408	Prohibited				D,F,G,T
HCFC-222 Pentachlorodifluoropropane	116867-32-4	Prohibited				D,F,G,T
HCFC-223 Tetrachlorotrifluoropropane	29470-95-9	Prohibited				D,F,G,T
HCFC-224 Trichlorotetrafluoropropane	127564-91-4	Prohibited				D,F,G,T
HCFC-225 Dichloropentafluoropropane	127564-92-5	Prohibited				D,F,G,T
HCFC-226 Chlorohexafluoropropane	28987-04-4	Prohibited				D,F,G,T
HCFC-231 Pentachlorofluoropropane	134190-48-0	Prohibited				D,F,G,T
HCFC-232 Tetrachlorodifluoropropane	127564-82-3	Prohibited				D,F,G,T
HCFC233- Trichlorotrifluoropropane	61623-04-9	Prohibited				D,F,G,T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 18 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

HCFC-234 Dichlorotetrafluoropropane	127564-83-4	Prohibited				D,F,G,T
HCFC-235 Chloropentafluoropropane	108662-83-5	Prohibited				D,F,G,T
HCFC-241 Tetrachlorofluoropropane	134190-49-1	Prohibited				D,F,G,T
HCFC-242 Trichlorodifluoropropane	127564-90-3	Prohibited				D,F,G,T
HCFC-243 Dichlorotrifluoropropane	116890-51-8	Prohibited				D,F,G,T
HCFC-251 Trichlorofluoropropane	134190-51-5	Prohibited				D,F,G,T
HCFC-252 Dichlorodifluoropropane	134190-52-2	Prohibited				D,F,G,T
HCFC-253 Chlorotrifluoropropane	26588-23-8	Prohibited				D,F,G,T
HCFC-261 Dichlorofluoropropane	127404-11-9	Prohibited				D,F,G,T
HCFC-262 Chlorodifluoropropane	134190-53-7	Prohibited				D,F,G,T
HCFC-271 Chlorofluoropropane	134190-54-8	Prohibited				D,F,G,T
Chlorotetrafluoropropane	134190-50-4	Prohibited				D,F,G,T
HCFC- fluoroethane		Prohibited				D,F,G,T
HCFCs not mentioned in this list		Restricted				D,F
1,1,1,2-Tetrachloro-2-fluoroethane	354-11-0	Restricted				T
1,1,1,2-Tetrachloroethane	630-20-6	Restricted				T
1,1,1,2-tetrachloro-2,2-difluoroethane	76-11-9	Prohibited				D,F,G,T
1,1,1-Trichloro-2,2-trifluoroethane	26523-64-8	Prohibited				D,G
CFC214 (Tetrachlorotetrafluoropropane)	2268-46-4	Prohibited				D,F,G,T
1,1,1-Chlorodifluoroethane	75-68-3	Restricted				T
1,1,1-Trichloroethane	71-55-6	Restricted				T
1,1,1-Trichlorotrifluoroethane	354-58-5	Restricted				T
1,1,1-Trifluorotrchloroethane		Prohibited				D,F,G
Tetrachloro-1,2-difluoroethane	76-12-0	Restricted				T
1,1,2,2-Tetrachloro-1-fluoroethane	354-14-3	Restricted				T
1,1,2,2-Tetrachloroethane	79-34-5	Restricted				T
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	Prohibited				D,F,G,T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 19 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

1,1,2-trichloroethane	79-00-5	Restricted				T
CFC-215- (Trichloropentafluoropropane)	1652-81-9	Prohibited				D,F,G,T
1,1-Dichloro-1,2,2,2-tetrafluoroethane	374-07-2	Restricted				T
1,1-Dichloro-1,2,2,3,3-pentafluoropropane	13474-88-9	Restricted				T
1,1-Dichloro-1,2,3,3,3-pentafluoropropane	111512-56-2	Restricted				T
1,1-Dichloroethene	75-35-4	Restricted				T
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	Prohibited				D,F,G,T
CFC216(Dichlorohexafluoropropane)	661-97-2	Prohibited				D,F,G,T
1,2-Dichloro-1,1,2,3,3-pentafluoropropane	422-44-6	Restricted				T
1,2-Dichloro-1,1,3,3,3-pentafluoropropane	431-86-7	Restricted				T
1,2-Dichloro-1,1-difluoroethane	1649-08-7	Restricted				T
1,2-Dichloroethane	107-06-2	Restricted				T
1,2-Dichloroethane	540-59-0	Restricted				T
1,2-Dichloropropane	78-87-5	Restricted				T
1,2-Dibromotetrafluoroethane (Halon2402)	124-73-2	Prohibited				D,F,G,T
1,2-Dibromo-3-chloropropane	96-12-8	Restricted				T
1,2-Dibromoethane	106-93-4	Restricted				T
1,3-Dichloro-1,1,2,2,3-pentafluoropropane	507-55-1	Restricted				T
1,3-Dichloro-1,1,2,3,3-pentafluoropropane	136013-79-1	Restricted				T
1,3-Dichloropropan-2-ol	96-23-1	Restricted				T
1,3-Dichloropropene	542-75-6	Restricted				T
1,4-Dichloro-2-butene	764-41-0	Restricted				T
2,2-Dichloro-1,1,1,3,3-pentafluoropropane	128903-21-9	Restricted				T
2,3-Dichloro-1,1,1,2,3-pentafluoropropane	422-48-0	Restricted				T
2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)	93-76-5	Restricted				T
2,4,6-Trichlorophenol	88-06-2	Restricted				T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 20 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

2,4-Dichlorophenoxyethanoic acid (2,4-D)	94-75-7	Restricted				T
2-(2,4,5-Trichlorophenoxy)propionic acid	93-72-1	Restricted				T
HCFC-124 (Chlorotetrafluoroethane)	2837-89-0	Prohibited				D,F,G,T
2-Chloro-1,1,1-trifluoroethane	75-88-7	Restricted				T
2-Fluoroacetamide	640-19-7	Restricted				T
Bromotrifluoroethane	421-06-7	Restricted				T
3,3'-Dichloro-4,4'-diaminodiphenylmethane	101-14-4	Restricted				T
3,3'-Dichlorobenzidine	91-94-1	Restricted				T
3,3'-Dichlorobenzidine dihydrochloride	612-83-9	Restricted				T
3,3-Dichloro-1,1,1,2,2-pentafluoropropane	422-56-0	Restricted				T
3-chloro-1,1,1-trifluoropropane	460-35-5	Restricted				T
Cis-1,2-Dichloroethylene	156-59-2	Restricted				T
m-Chloroaniline	108-42-9	Restricted				T
	6164-98-3	Restricted				T
o-Chloroaniline	95-51-2	Restricted				T
o-Dichlorobenzene	95-50-1	Restricted				T
o-Tolidine dihydrochloride	612-82-2	Restricted				T
TDE(p,p'-Dichlorodiphenyl dichloroethane ,p,p'-DDD)	75-54-8	Restricted				T
p,p'-Dichlorodiphenyltrichloroethane (DDT)	50-29-3	Restricted				T
p-Chloroaniline	106-47-8	Restricted				T
p-Chloronitrobenzene	100-00-5	Restricted				T
p-Dichlorobenzene	106-46-7	Restricted				T
Trans-1,2-Dichloroethylene	156-60-5	Restricted				T
Polynaphthalene chloride	38289-27-9	Restricted				T
Gamma-Hexachlorocyclohexane (BHC)	58-89-9	Restricted				T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 21 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

Alachlor (2-chloro-2',6'-diethyl-N-methoxymethyl acetanilide)	15972-60-8	Restricted				T
Aldrin	309-00-2	Restricted				T
Epichlorohydrin	106-89-8	Restricted				T
Endrin	72-20-8	Restricted				T
Octabromobiphenyl	27858-07-7	Restricted				T
Toxaphene	8001-35-2	Restricted				T
Cyhalothrin	143-50-0	Restricted				T
Chlordane	57-74-9	Restricted				T
Chlorobenzilate	510-15-6	Restricted				T
Ethyl chloride	75-00-3	Restricted				T
HCFC-142 (Chlorodifluoroethane)	25497-29-4	Prohibited				D,F,G,T
HCFC-262 (Chlorotrifluoropropane)	420-99-5	Prohibited				D,F,G,T
Chlorodifluoromethane (HCFC-22,Freon R-22)	75-45-6	Prohibited				D,F,G,T
HCFC-244 (Chlorotetrafluoropropane)	421-75-0	Prohibited				D,F,G,T
HCFC-253 (Chlorotrifluoropropane)	421-47-6	Prohibited				D,F,G,T
Chlorotrifluoromethane (CFC-13,Freon R-13)	75-72-9	Prohibited				D,F,G,T
CFC-217 (Chloroheptafluoropropane)	422-86-6	Prohibited				D,F,G,T
Chlorobenzene	108-90-7					
Monochloropentafluoroethane(CFC-115,Freon R-115)	76-15-3	Prohibited				D,F,G,T
HCFC-235 (Chloropentafluoropropane)	422-02-6	Prohibited				D,F,G,T
Chloroform	67-66-3	Restricted				T
Methyl chloride	74-87-3	Restricted				T
Chloromethyl methyl ether	107-30-2	Restricted				T
Monochloroacetic acid	79-11-8	Restricted				T
Dichlorodifluoromethane (CFC-12,Freon R-12)	75-71-8	Prohibited				D,F,G,T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 22 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

		75-43-4	Prohibited				D,F,G,T
Dichloropentafluoropropane		127564-92-5	Restricted				T
Dichloromethane		75-09-2	Restricted				T
Kelthane		115-32-2	Restricted				T
Bromochlorodifluoromethane ((Halon-1211)		353-59-3	Prohibited				D,F,G,T
Dibromodifluoroethane		75-82-1	Restricted				T
Dibromidifluoropropane		460-25-3	Restricted				T
Dibromotrifluoroethane		354-04-1	Restricted				T
Dibromotrifluoropropane		70192-83-5	Restricted				T
Dibromofluoroethane		358-97-4	Restricted				T
Dibromofluoropropane		51584-26-0	Restricted				T
Dibromodifluoromethane		1868-53-7	Restricted				T
Dibromopentafluoropropane		431-78-7	Restricted				T
Simazine		122-34-9	Restricted				T
Dieldrin		60-57-1	Restricted				T
Tetrabromofluoroethane		306-80-9	Restricted				T
Trichloroethylene		79-01-6	Restricted				T
Trichlorofluoromethane (CFC-11,FreonR-11)		75-69-4	Prohibited				D,F,G,T
Bromotrifluoromethane (Halon1301)		75-63-8	Prohibited				D,F,G,T
Tribromodifluoropropane		70192-80-2	Restricted				T
Tribromofluoropropane		75372-14-4	Restricted				T
Acetic acid , fluoro		144-49-0	Restricted				T
Propyzamide		23950-58-5	Restricted				T
Bromidifluoromethane		1511-62-2	Restricted				T
Bromotetrafluoroethane		124-72-1	Restricted				T
Bromotetrafluoropropane		679-84-5	Restricted				T
Bromotrifluoroethane		421-46-5	Restricted				T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 23 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

Bromofluoroethane	762-49-2	Restricted				T
Bromofluoropropane	352-91-0	Restricted				T
Bromofluoromethane	373-52-4	Restricted				T
Bromohexafluoropropane	2252-79-1	Restricted				T
Bromopentafluoropropane	460-88-8	Restricted				T
Hexachloro-1,3-butadiene	87-68-3	Restricted				T
Hexachloroethane	67-72-1	Restricted				T
Hexachlorocyclohexane (unspecified polymers)	608-73-1	Restricted				T
CFC-212 (Hexachlorodifluoropropane)	661-96-1	Prohibited				D,F,G,T
Hexachlorobenzene	118-74—1	Restricted				T
Hexabromobiphenyl	61792-22-1	Restricted				T
Hexybromobiphenyl (unspecified isomers)	36355-01-8	Restricted				T
Permethrin	52645-53-1	Restricted				T
Benzotrithloride	98-07-1	Restricted				T
Pentachloroethane	76-01-7	Restricted				T
CFC-213 (Pentachlorofluoropropane)	1652-89-7	Prohibited				D,F,G,T
Pentachlorophenol	87-86-5	Restricted				T
CFC-111 (Pentachlorofluoroethane)	354-53-6	Prohibited				D,F,G,T
Polychlorinated biphenyls (PCBs)	1336-36-3	prohibited				D,F,G,T
Polybromobiphenyl (Firemaster BP-6)	59536-65-1	Restricted				T
Mirex	2385-85-5	Restricted				T
Methoxychlor	72-43-5	Restricted				T
Leptohos	21609-90-5	Restricted				T
Dimethylcarbaryl chloride	79-44-7	Restricted				T
Vinyl chloride (monomer)	75-01-4	Restricted				T
Benzyl chloride	100-44-7	Restricted				T
Tetrachloromethane	56-23-5	Restricted				T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 24 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

Isopropyl bromide	75-26-3	Restricted				T
Bromoethene	593-60-2	Prohibited				D,F,G,T
Methyl bromide	74-83-9	Restricted				T
Potassium bromate	7758-01-2	Restricted				T
DDE	72-55-9	Restricted				T
Alpha – BHC	319-84-6	Restricted				T
Beta - BHC	319-85-7	Restricted				T
Delta - BHC	319-86-8	Restricted				T
Heptachloro epoxide	1024-57-3	Restricted				T
Endrin aldehyde	7421-93-4	Restricted				T
Alpha-Endosulfan	959-88-8 33213-66-0	Restricted				T
Beta-Endosulfan	33213-65-9 891-86-1	Restricted				T
Endosulfan sulfate	1031-07-8	Restricted				T
Isophorone	76-59-1	Restricted				T
1,1-Dichloroethane	75-34-3	Restricted				T
1,2,2-Trichloroethane	79-00-5	Restricted				T
Chloroethene	9002-86-2	Restricted				T
Carbon tetrachloride	56-23-5	Restricted				T
Methylene chloride	75-09-2	Restricted				T
Bromoform	75-25-2	Restricted				T
Bromodichloromethane	75-27-4	Restricted				T
Trichlorodifluoromethane		Restricted				T
Chlorodibromomethane	124-48-1	Restricted				T
1,1-Dichloropropane	78-99-9	Restricted				T
Hexachlorocyclopentadiene	77-47-4	Restricted				T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 25 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

Epichlorohydrin	106-89-8 51594-55-9	Restricted				T
1,2,3-Trichlorobenzene	87-61-6	Restricted				T
1,2,4-Trichlorobenzene	120-82-1	Restricted				T
2-Chlorophenol	25167-82-2	Restricted				T
3-Chlorophenol	25167-82-2	Restricted				T
4-Chlorophenol	25167-82-2	Restricted				T
2-Chloro-5-methylphenol		Restricted				T
2,6-Dichlorophenol	87-65-0	Restricted				T
2-Chloro-6-methylphenol		Restricted				T
2,4-Dichlorophenol	120-83-2	Restricted				T
3,5-Dichlorophenol	591-35-5	Restricted				T
2,3-Dichlorophenol	576-24-9	Restricted				T
3,4-Dichlorophenol	95-77-2	Restricted				T
2,3,6-Trichlorophenol	933-75-5	Restricted				T
2,3,5-Trichlorophenol	933-78-8	Restricted				T
2,3,4-Trichlorophenol	15950-66-0	Restricted				T
3,4,5-Trichlorophenol		Restricted				T
2,3,5,6-Tetrachlorophenol		Restricted				T
2,3,4,6-Tetrachlorophenol	58-90-2	Restricted				T
2,3,4,5-Tetrachlorophenol		Restricted				T
2,3,4,5-Tetrachlorophenol		Restricted				T
Bromodifluoromethane(HBFC-22)		Prohibited				D,F,G,T
Dichlorotetrafluoroethane(CFC-114)		Prohibited				D,F,G,T
Trichlorotrifluoroethane(CFC-113)		Prohibited				D,F,G,T
Dichloropentafluoropropane(HCFC-225cb)		Prohibited				D,F,G,T
Dichloropentafluoropropane(HCFC225ca)		Prohibited				D,F,G,T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 26 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

	1,2-Dichloroethylene		Restricted			T
	Heptachlor	76-44-8	Restricted			T
	Dibromodifluoromethane (Hydrobromofluorocarbon)	74-83-9	Prohibited			D,F,G
MDA	MDA-4-4'-Methylene dianiline [p,p'- Diaminodiphenylmethane]	101-77-9	Prohibited		Curing agent for epoxies & urethanes	D,F,G
Phthalates	Butylbenzyl phthalate (BBP)	85-68-7	restricted			D,F,G
	Dibutyl phthalate (DBP)	84-74-2	Restricted			D,F,G
	Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	restricted			D,F,G
	Diethyl phthalate	84-66-2	restricted			D,F,G
	Dimethyl phthalate (DMP)	131-11-3	restricted			D,F,G
	Di-n-octyl phthalate (DOP)	117-84-0	restricted			D,F,G
Polycyclic aromatic hydrocarbons (PAHs)	Polycyclic aromatic hydrocarbons as a group	various	Restricted	>10ppm	Will be prohibited in future	D,G
	Benzo(a)anthracene	56-55-3	Restricted	>10ppm	Will be prohibited in future	D,G
	Benzo(a)pyrene	50-32-8	Restricted	>10ppm	Will be prohibited in future	D,G
	Benzo(b)fluoranthene	205-99-2	Restricted	>10ppm	Will be prohibited in future	D,G
	Benzo(j)fluoranthene	205-82-3	Restricted	>10ppm	Will be prohibited in future	D,G
	Benzo(k)fluoranthene	207-08-9	Restricted	>10ppm	Will be prohibited in future	D,G
	Dibenzo(a,h)anthracene	573-70-3	restricted	>10ppm	Will be prohibited in future	D,G

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 27 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

Polyvinyl chloride (PVC)	Polyvinylchloride materials	9002-86-2	restricted				D,G
Radioactive materials	Radioactive materials	various	restricted				D,F
Residual monomers	1,3-Butadiene monomer	106-99-0	restricted				D,G
	Butyl acrylate	141-32-2	Restricted				D,G
	Acrylamide monomer	79-06-1	Restricted				D,G
	Acrylonitrile monomer	107-13-1	Restricted				D,G
	Epichlorhydrin (chloroepoxypropane) monomer	106-89-8 , 25014-15-5 , 25988-97-0	Restricted				D,G
	Styrene monomer	100-42-5	Restricted				D,G
	Styrene oxide	96-09-3	restricted				D,G
Arsenic & its compounds	2-Chlorovinylidichloroarsine oxide	333-25-5	Restricted *	>400ppm			D,G, T(prohibited)
	Arsan	75-60-5	Restricted *	>400ppm			D,G, T(prohibited)
	Gallium arsenide	1303-00-0	Restricted *	>400ppm			D,G, T(prohibited)
	Arsenic acid	7778-39-4	Restricted *	>400ppm			D,G, T(prohibited)
	Pottasium arsenate	7784-41-0	Restricted *	>400ppm			D,G, T(prohibited)
	Calcium arsenate (1:1)	15194-98-6	Restricted *	>400ppm			D,G, T(prohibited)
	Calcium arsenate (3:2)	7778-44-1	Restricted *	>400ppm			D,G, T(prohibited)
	Calcium arsenate (ASH304.xCa)	10103-62-5	Restricted *	>400ppm			D,G, T(prohibited)
	Disodium arsenate	10048-95-0	Restricted *	>400ppm			D,G, T(prohibited)
	Arsenic acid , sodium salt (ASH304.xNa)	7361-89-2	Restricted *	>400ppm			D,G, T(prohibited)
	Lead arsenate (1:1) (AsH <sub>3</sub> O <sub>4</sub> .Pb)	7784-40-9	Restricted *	>400ppm			D,G, T(prohibited)
	Lead arsenate (AsH <sub>3</sub> O <sub>4</sub> .xPb)	7645-25-2	Restricted *	>400ppm			D,G, T(prohibited)
	Copper arsenate	16102-92-4	Restricted *	>400ppm			D,G, T(prohibited)

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 28 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

	Copper arsenate (AsCu <sub>4</sub> O <sub>6</sub> ) arsenic acid , copper salt)	10103-61-4	Restricted *	>400ppm			D,G, T(prohibited)
	Arsenic	7440-38-2	Restricted *				D,G, T(prohibited)
	Benzenearsenic acid	98-05-5	Restricted *	>400ppm			D,G, T(prohibited)
	Methanearsenic acid , calcium salt (2:1)	5902-95-4	Restricted *	>400ppm			D,G, T(prohibited)
	Methanearsenic acid , iron(3+)salt	6585-53-1	Restricted *	>400ppm			D,G, T(prohibited)
	Potassium arsenite (1:1)	13464-35-2	Restricted *	>400ppm			D,G, T(prohibited)
	Calcium Arsenite (1:1)	52740-16-6	Restricted *	>400ppm			D,G, T(prohibited)
	Calcium Arsenite (2:3)	27152-57-4	Restricted *	>400ppm			D,G, T(prohibited)
	Sodium arsenite	7784-46-5	Restricted *	>400ppm			D,G, T(prohibited)
	Lead (II) arsenite	10031-13-7	Restricted *	>400ppm			D,G, T(prohibited)
	Arsenous trifluoride	7784-36-3	Restricted *	>400ppm			D,G, T(prohibited)
	Arsenic pentoxide ; arsenic oxide	7784-35-2	Restricted *	>400ppm			D,G, T(prohibited)
	Arsenic chloride	7784-34-1	Restricted *	>400ppm			D,G, T(prohibited)
	Arsenic trioxide	1327-53-3	Restricted *	>400ppm			D,G, T(prohibited)
	Lead arsenate (As <sub>2</sub> O <sub>3</sub> Pb <sub>3</sub> )	3687-31-8	Restricted *	>400ppm			D,G, T(prohibited)
	Alkyl arsenic compounds not specified above		Restricted *	>400ppm			D,G, T(prohibited)
	Arsenic compounds (organic) not specified above		Restricted *	>400ppm			D,G, T(prohibited)
	Arsenic compounds not specified above		Restricted *	>400ppm			D,G, T(prohibited)
Phenols	Phenol	108-95-2	Restricted		Residual monomer in phenolic resins	Test to GM spec QU000005	D,G,T
	4-Nonylphenol	104-40-5 25154-52-3	Restricted				D,G,T
	2-Nitrophenol	88-75-5	Restricted				D,G,T
	4-Nitrophenol	554-52-7	Restricted				D,G,T
	2,4-Dinitrophenol	51-28-5	Restricted				D,G,T
	2-Methyl-4,6-dinitrophenol	534-52-1	Restricted				D,G,T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 29 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

	Biphenyl(1,1-biphenyl)	92-52-4	Restricted				D,G,T
	Phenols as a group	various	Restricted		Residual monomer in phenolic resins		D,G
	Methyl phenol (Cresol or Cresylic acid) including m-Cresol , o-Cresol and p-cresol	Including: 1319-77-3 108-39-4 95-48-7 106-44-5	Restricted				D,G
	Nonyphenol ethoxylates	Including: 9016-45-9 9002-93-1	Restricted		Surfactants , cleaners		D,GT
	Pentachlorophenol (PCP) and compounds	87-86-5	Restricted		Wood preservative		D,G
	Creosote	9001-58-9 & others	Restricted				D,G
	Nonyphenoethoxylates (NFE)	9016-45-9	Restricted				D,G
	Pentachloriphenol (PCP)	87-65-5	Restricted				D,G
	Oentachlorophenol compounds	various	Restricted				D,G
Beryllium & its compounds	Beryllium	7440-41-7	restricted				D,G,T
	Beryllium compounds not listed below	group	restricted				D,G, restricted T
	Zinc beryllium silicate	39413-47-3	Restricted				T
	Beryllium carbonate (CbeO3)	66104-24-3	Restricted				T
	Beryllium fluoride	77-49-7	Restricted				T
	Beryllium aluminium alloy	12770-50-2	Restricted				T
	Beryllium aluminium silicate	1302-52-9	Restricted				T
	Beryllium phosphate	13598-15-7	Restricted				T
	Beryllium chloride	7787-47-5	Restricted				T
	Beryllium oxide	1304-56-9	Restricted				T
	Beryllium hydroxide	13327-32-7	Restricted				T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 30 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

	Beryllium sulfate (1:1)	13510-49-1	Restricted				T
	Beryllium sulfate tetrahydrate (1:1:4)	7787-56-6	restricted				T
Phosphorus compounds	O-Ethyl-O-p-nitrophenyl-phenylthionophosphonate	2104-64-5	Restricted				T
	Diethyl(5-phenyl-3isoxazoly)thionophosphate	18854-01-8	Restricted				T
		26087-47-8	Restricted				T
	Disulfoton	298-04-4	Restricted				T
	OMPA (octamethylpyrophosphoramidate)	152-16-9	Restricted				T
		2921-88-2	Restricted				T
	Dimethyl-2,2-dichlorovinylphosphate	62-73-7	Restricted				T
	Phosphorothioic acid,S-[2-(ethylthio)ethyl]O,O-dimethyl	919-86-8	Restricted				T
	Diazinon	333-41-5	Restricted				T
	Trimethylphosphate	512-56-1	Restricted				T
	Parathion	56-38-2	Restricted				T
	Fenitrothion	122-14-5	Restricted				T
	Phosphamidon	13171-21-6	Restricted				T
	Malathion	121-75-5	Restricted				T
	Mevinphos	7786-34-7	Restricted				T
Methylparathion	298-00-0	Restricted				T	
	Tris(2,3-dichloropropyl)phosphate	78-43-3	Restricted				T
	Tris(2,3-dibromopropyl)phosphate	126-72-7	Restricted				T
Fluoride compounds	Fluoride compounds	N/a	Restricted				T
Manganese compounds	Manganese & compounds	7439-9605	Restricted				T
Selenium compounds	Selenium & compounds	7782-49-2	Restricted				T

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 31 OF 29	<b>MS 1131</b>

PBR Automotive Pty. Ltd.

MATERIAL SPECIFICATION

MS 1131

TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

Zinc compounds	Zinc & compounds (in powder form?)	7440-66-6	Restricted				T
Antimony compounds	Antimony & compounds	7440-36-0	Restricted				T
Boron compounds	Boron & compounds	7440-42-8	Restricted				T
Barium compounds	Barium & compounds	7440-39-3	Restricted				T
Iron compounds	Iron (in powder form?)	7439-89-6	Restricted				T
Vanadium compounds	Vanadium & compounds	7440-62-2	Restricted				T
Thallium compounds	Thallium & compounds	7440-28-0	Restricted				T
Molybdenum compounds	Molybdenum compounds	7439-98-7	Restricted				T
Tellurium compounds	Tellurium & compounds	13494-80-9	Restricted				T
Silver compounds	Silver & compounds	7440-22-4	Restricted				T
Alkylphenol ethoxylates	Alkylphenol ethoxylates	9016-45-9 9002-93-1	Prohibited				F
Biocides	Biocides as a group	various	restricted				D,F
	Chloromethyl Isothiazolinone	26171-55-4	restricted				D,F
	Hexachlorobenzene	118-74-1	restricted				D,F
	m-Chlorocresol	59-50-7	restricted				D,F
	o-Chlorocresol	1570-64-5	restricted				D,F
	Methyl Isothiazolinone	26822-20-4	restricted				D,F

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 32 OF 29	<b>MS 1131</b>

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

Others	[1,1'-Biphenyl]-4,4'-diamine-3,3'-dimethyl salts		Restricted			T
	1-Naphthalenamine salts		Restricted			T
	Salt of dichlorobenzidine		Restricted			T
	Hydrogen sulphide	7783-06-4	Restricted			T
	Magnesium oxide fume	1309-48-4	Restricted			T
	Oxides of nitrogen	N/a	Restricted			T
	Particulate matter < 10µm	N/a	Restricted			T
	Polychlorinated dioxins and furans	N/a	Restricted			T
	Polycyclic aromatic hydrocarbons	N/a	Restricted			T
	Sulphur dioxide	7446—09-5	Restricted			T
	Total Nitrogen	N/a	Restricted			T
	Total phosphorous	N/a	Restricted			T
	Total ammonia	N/a	Restricted			T
	Carbon monoxide	630-08-0	Restricted			T
	Chlorine	7782-50-5	Restricted			T
	Chlorine dioxide	10049-04-4	Restricted			T
	Total VOC		Restricted			T
Bromine	7726-95-6	Restricted			T	
Iodine	7553-56-2	Restricted			T	
Colophony (rosin)	8050-09-7	Restricted			T	
	Fibres -mineral and synthetic < 5µm in diameter and a length to diameter ratio > 3:1		Restricted			D,F
	Carbon tetrachloride	56-23-5	Restricted			D,F
	Chlorinated paraffins	85535-84-8 85535-85-9 85422-92-0	Prohibited			D,F
	Formaldehyde (free)	50-00-0	restricted			D,F

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 33 OF 29	<b>MS 1131</b>

PBR Automotive Pty. Ltd.

MATERIAL SPECIFICATION

MS 1131

## TITLE: PROHIBITED AND RESTRICTED SUBSTANCES

	Hydrobromofluorocarbons (HBFCs)	1868-53-7)	restricted				D,F
	Mutagenic substances	various	restricted				D,F
	Polybrominated biphenyls (PBBs)	59536-65-1	prohibited				D,F
	Polybrominated diphenylethers (PBDEs)	32534-81-9 32536-52-0	prohibited				D,F
	Polybrominated diphenylethers (PBDEs)	1163-19-5	restricted				D,F
	Polychlorinated biphenyls (PCBs)	1336-36-3	prohibited				D,F
	Polychlorinated terphenyls (PCTs)	61788-33-8	prohibited				D,F
	Polyvinylchloride (PVC)	9002-86-2	restricted				D,F
	Tris(1-aziridinyl)phosphine	545-55-1	prohibited				D,F
	Tris(2,3-dibromopropyl) phosphate [TRIS]	126-72-7	prohibited				D,F

(hoseman/MS1118)

ISSUE NO	1	2	3				
DATE	12 Feb 01	23 Oct 01	1 Nov 01				
E.A.N. NO	N10085	N10429	N10450				
APPROVED	KCR	KCR	KCR				
COMPILED DATE KCR	12 Feb 01	CHECKED BY KCR	DATE 12 Feb 01	APPROVED BY KCR	DATE 12 Feb 01	SHEET 34 OF 29	<b>MS 1131</b>