

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DINITROL 442 Pyrmotec 53 Black

Print date: 08.04.2016

Product code: 5115

Page 1 of 16

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

DINITROL 442 Pyrmotec 53 Black

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

Anti-corrosive coating

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

Company name: DINOL GmbH  
Street: Pyrmonter Strasse 76  
Place: D-32676 Luegde  
Telephone: +49 (0) 5281 9829 80      Telefax: +49 (0) 5281 9829 860  
Responsible Department: msds@dinol.com

1.4. Emergency telephone number: Giftnotruf Berlin: +49 30 30686 790 (Consultation in German and English)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Directive 67/548/EEC or 1999/45/EC

Indications of danger: Xn - Harmful, Xi - Irritant  
R phrases:  
Flammable.  
Harmful by inhalation and in contact with skin.  
Irritating to skin.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:  
Flammable liquid: Flam. Liq. 3  
Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2  
Specific target organ toxicity - single exposure: STOT SE 3  
Specific target organ toxicity - repeated exposure: STOT RE 2  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Hazard components for labelling

xylene

Signal word: Warning  
Pictograms: GHS02-GHS07-GHS08

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**DINITROL 442 Pyrmotec 53 Black**

Print date: 08.04.2016

Product code: 5115

Page 2 of 16

**Hazard statements**

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye/face protection.
P501	This material and its container must be disposed of as hazardous waste.

**Special labelling of certain mixtures**

EUH208	Contains Fatty acids, C18-unsatd. , trimers, compds. with oleylamine, Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.
--------	---

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DINITROL 442 Pyrmotec 53 Black

Print date: 08.04.2016

Product code: 5115

Page 3 of 16

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
215-535-7	xylene	20 - < 25 %
1330-20-7	Xn - Harmful, Xi - Irritant R10-20/21-38	
601-022-00-9	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H226 H312 H332 H315 H319 H335 H373 H304	
01-2119488216-32		
919-446-0	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	5 - < 10 %
64742-82-1	Xn - Harmful, N - Dangerous for the environment R10-48/20-51-53-65-66-67	
649-330-00-2	Flam. Liq. 3, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H372 H304 H411 EUH066	
01-2119458049-33		
204-658-1	n-butyl acetate	5 - < 10 %
123-86-4	R10-66-67	
607-025-00-1	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066	
01-2119485493-29		
202-849-4	ethylbenzene	3 - < 5 %
100-41-4	F - Highly flammable, Xn - Harmful R11-20-48/20-65	
601-023-00-4	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1; H225 H332 H373 H304	
203-603-9	2-methoxy-1-methylethyl acetate	1 - < 3 %
108-65-6	R10	
607-195-00-7	Flam. Liq. 3; H226	
01-2119475791-29		
604-612-4	Fatty acids, C18-unsatd. , trimers, compds. with oleylamine	0.1 - < 1 %
147900-93-4	T - Toxic, N - Dangerous for the environment R43-48/25-51-53	
	Skin Sens. 1B, STOT RE 1, Aquatic Chronic 2; H317 H372 H411	
288-315-1	Fatty acids, tall-oil, compds. with oleylamine	0.1 - < 1 %
85711-55-3	R43	
	Skin Sens. 1; H317	

Full text of R, H and EUH phrases: see section 16.

#### Further Information

Note: Each entry in the column EC number that begins with the number "9" is - until the publication the official registration number - one specified by ECHA provisional number for the substance. The above-mentioned substance(s) in this product is (are) identified by CAS number and indeed in Countries that are not subject to the REACH Regulation, or in a regulation which is not in accordance with new naming convention for hydrocarbons have been updated.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

If unconscious place in recovery position and seek medical advice.  
 Never give anything by mouth to an unconscious person or a person with cramps.  
 In all cases of doubt, or when symptoms persist, seek medical advice.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DINITROL 442 Pyrmotec 53 Black

Print date: 08.04.2016

Product code: 5115

Page 4 of 16

#### After inhalation

Remove casualty to fresh air and keep warm and at rest.

#### After contact with skin

Change contaminated clothing.  
Wash with plenty of water/Soap.  
If skin irritation occurs: Get medical advice/attention.

#### After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

#### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).  
Call a physician immediately.  
Put victim at rest, cover with a blanket and keep warm.  
Do NOT induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed

Nausea, Drowsiness, Headache.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No information available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water fog.

##### Unsuitable extinguishing media

High power water jet.

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

Hazardous decomposition products: Danger of serious damage to health by prolonged exposure.  
Do not inhale explosion and combustion gases. Use appropriate respiratory protection.

#### 5.3. Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers.

#### Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

Provide adequate ventilation.  
Wear personal protection equipment.  
Avoid contact with skin, eyes and clothes.  
Avoid breathing dust/fume/gas/mist/vapours/spray.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

#### 6.3. Methods and material for containment and cleaning up

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7  
Personal protection equipment: see section 8

according to Regulation (EC) No 1907/2006

**DINITROL 442 Pyrmotec 53 Black**

Print date: 08.04.2016

Product code: 5115

Page 5 of 16

Disposal: see section 13

**SECTION 7: Handling and storage**
**7.1. Precautions for safe handling**
**Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

**Advice on protection against fire and explosion**

Take precautionary measures against static discharges.

Keep away from sources of ignition. - No smoking.

Vapours are heavier than air and will spread at floor level.

Vapours may form explosive mixtures with air.

**7.2. Conditions for safe storage, including any incompatibilities**
**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Keep container dry.

Keep away from heat. Protect against direct sunlight.

**Advice on storage compatibility**

Do not store together with: Oxidizing agents. Strong acid, strong alkalis

**7.3. Specific end use(s)**

Anti-corrosive coating

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**
**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
108-65-6	1-Methoxypropyl acetate	50	274		TWA (8 h)	WEL
		100	548		STEL (15 min)	WEL
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
100-41-4	Ethylbenzene	100	441		TWA (8 h)	WEL
		125	552		STEL (15 min)	WEL
14807-96-6	Talc respirable dust	-	1		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

**Biological Monitoring Guidance Values (EH40)**

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DINITROL 442 Pyromotec 53 Black

Print date: 08.04.2016

Product code: 5115

Page 6 of 16

**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
1330-20-7	xylene			
Worker DNEL, long-term		dermal	systemic	108 mg/kg bw/day
Worker DNEL, acute		inhalation	systemic	289 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	174 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	systemic	77 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	1,6 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	108 mg/kg bw/day
Consumer DNEL, acute		inhalation	systemic	174 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	local	174 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	14,8 mg/m <sup>3</sup>
64742-82-1	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			
Consumer DNEL, long-term		oral	systemic	26 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	330 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	44 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	71 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	26 mg/kg bw/day
123-86-4	n-butyl acetate			
Worker DNEL, long-term		inhalation	systemic	480 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	systemic	960 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	480 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	960 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	102,34 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	859,7 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	102,34 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	local	859,7 mg/m <sup>3</sup>
100-41-4	ethylbenzene			
Worker DNEL, long-term		inhalation	systemic	77 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	293 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	180 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	15 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	1,6 mg/kg bw/day
108-65-6	2-methoxy-1-methylethyl acetate			

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**DINITROL 442 Pyrmotec 53 Black**

Print date: 08.04.2016

Product code: 5115

Page 7 of 16

Worker DNEL, long-term	inhalation	systemic	275 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	local	550 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	796 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	33 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	local	33 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	320 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	36 mg/kg bw/day

according to Regulation (EC) No 1907/2006

## DINITROL 442 Pyrmotec 53 Black

Print date: 08.04.2016

Product code: 5115

Page 8 of 16

### PNEC values

CAS No	Substance	Value
Environmental compartment		
1330-20-7	xylene	
Freshwater		0,327 mg/l
Marine water		0,327 mg/l
Freshwater sediment		12,46 mg/kg
Marine sediment		12,46 mg/kg
Soil		2,31 mg/kg
Micro-organisms in sewage treatment plants (STP)		6,58 mg/l
123-86-4	n-butyl acetate	
Freshwater		0,18 mg/l
Marine water		0,018 mg/l
Micro-organisms in sewage treatment plants (STP)		35,6 mg/l
Freshwater sediment		0,981 mg/kg
Marine sediment		0,0981 mg/kg
Soil		0,0903 mg/kg
100-41-4	ethylbenzene	
Freshwater		0,1 mg/l
Marine water		0,01 mg/l
Freshwater sediment		13,7 mg/kg
Marine sediment		1,37 mg/kg
Secondary poisoning		0,02 mg/kg
Soil		2,68 mg/kg
Micro-organisms in sewage treatment plants (STP)		9,6 mg/l
108-65-6	2-methoxy-1-methylethyl acetate	
Freshwater		0,635 mg/l
Marine water		0,0635 mg/l
Freshwater sediment		3,29 mg/kg
Marine sediment		0,329 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0,290 mg/kg

### 8.2. Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

#### Protective and hygiene measures

Keep away from food, drink and animal feedingstuffs.

When using do not eat or drink.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DINITROL 442 Pyrmotec 53 Black

Print date: 08.04.2016

Product code: 5115

Page 9 of 16

Wash hands before breaks and after work.  
 Avoid contact with skin and eyes.  
 Remove contaminated, saturated clothing immediately.  
 Do not breathe gas/vapour/aerosol.

#### Eye/face protection

Eye glasses with side protection (DIN EN 166)

#### Hand protection

Tested protective gloves must be worn (DIN EN 374):  
 FKM (fluoro rubber), Breakthrough time (maximum wearing time): 480 min.  
 PVA (Polyvinyl alcohol), Breakthrough time (maximum wearing time): 480 min.  
 NBR (Nitrile rubber), Breakthrough time (maximum wearing time): 30 min.  
 For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.  
 Protective gloves have to be replaced at the first sign of deterioration.  
 Protect skin by using skin protective cream.

#### Skin protection

Wear anti-static footwear and clothing

#### Respiratory protection

Work in well-ventilated zones or use proper respiratory protection.  
 gas filtering equipment (EN 141),. Filter material/medium: A/P2

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	black
Odour:	characteristic

#### Test method

pH-Value:	not determined
-----------	----------------

#### Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	124 °C
Flash point:	24 °C DIN 51755

#### Flammability

Solid:	not applicable
Gas:	not applicable

#### Explosive properties

not determined

Lower explosion limits:	1,0 vol. %
Upper explosion limits:	7,0 vol. %
Ignition temperature:	210 °C

#### Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
----------------------------	----------------

#### Oxidizing properties

not determined

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DINITROL 442 Pyrmotec 53 Black

Print date: 08.04.2016

Product code: 5115

Page 10 of 16

Vapour pressure: (at 20 °C)	6,0 hPa
Density (at 20 °C):	1,19 g/cm <sup>3</sup> ISO 2811
Water solubility:	insoluble
<b>Solubility in other solvents</b> not determined	
Partition coefficient:	not determined
Viscosity / dynamic: (at 20 °C)	1300 mPa·s
Vapour density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	44,6 %

#### **9.2. Other information**

Solid content: 55,4 %

No information available.

### **SECTION 10: Stability and reactivity**

#### **10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

#### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

No known hazardous reactions.

#### **10.4. Conditions to avoid**

Keep away from heat.

#### **10.5. Incompatible materials**

No information available.

#### **10.6. Hazardous decomposition products**

Carbon monoxide.

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DINITROL 442 Pyrmotec 53 Black

Print date: 08.04.2016

Product code: 5115

Page 11 of 16

CAS No	Chemical name				
	Exposure route	Method	Dose	Species	Source
1330-20-7	xylene				
	oral	LD50	4300 mg/kg	Rat	GESTIS
	dermal	LD50	>1700 mg/kg	Rabbit	GESTIS
	inhalative (4 h) vapour	LC50	21,7 mg/l	Rat	GESTIS
	inhalative aerosol	ATE	1,5 mg/l		
64742-82-1	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)				
	oral	LD50	>150000 mg/kg	Rat	
	dermal	LD50	>3400 mg/kg	Rat	
123-86-4	n-butyl acetate				
	oral	LD50	10760 mg/kg	Rat	
	dermal	LD50	14112 mg/kg	Rabbit	
	inhalative (4 h) aerosol	LC50	23,4 mg/l	Rat	
100-41-4	ethylbenzene				
	oral	LD50	3500 mg/kg	Rat	GESTIS
	dermal	LD50	15400 mg/kg	Rabbit	GESTIS
	inhalative (4 h) vapour	LC50	17,2 mg/l	Rat	
	inhalative aerosol	ATE	1,5 mg/l		
108-65-6	2-methoxy-1-methylethyl acetate				
	oral	LD50	8500 mg/kg	Rat	
	inhalative (4 h) vapour	LC50	35,7 mg/l	Rat	

#### Irritation and corrosivity

Causes skin irritation.  
Causes serious eye irritation.

#### Sensitising effects

Based on available data, the classification criteria are not met.

#### STOT-single exposure

May cause respiratory irritation. (xylene)

#### Severe effects after repeated or prolonged exposure

May cause damage to organs through prolonged or repeated exposure. (xylene), (ethylbenzene)

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Further information

There are no data available on the preparation/mixture itself.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**DINITROL 442 Pyrmotec 53 Black**

Print date: 08.04.2016

Product code: 5115

Page 12 of 16

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
64742-82-1	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)					
	Acute fish toxicity	LC50	10 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	4,6 mg/l	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	10 mg/l	48 h	Daphnia magna (Big water flea)	
123-86-4	n-butyl acetate					
	Acute fish toxicity	LC50	18 mg/l	96 h	Pimephales promelas (fathead minnow)	
	Acute algae toxicity	ErC50	647,7 mg/l	72 h	Desmodesmus subspicatus.	
	Acute crustacea toxicity	EC50	44 mg/l	48 h	Daphnia magna (Big water flea)	
	Algae toxicity	NOEC	200 mg/l		Desmodesmus subspicatus.	
108-65-6	2-methoxy-1-methylethyl acetate					
	Acute fish toxicity	LC50	100-180 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50	>500 mg/l	48 h	Daphnia magna (Big water flea)	

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64742-82-1	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			
		74,7 %	28	
	Leicht biologisch abbaubar			
123-86-4	n-butyl acetate			
	OECD 301D/ EEC 92/69/V, C.4-E	83%	28	
	Readily biodegradable (according to OECD criteria).			
108-65-6	2-methoxy-1-methylethyl acetate			
	OECD 302 B	>90 %		
	Readily biodegradable (according to OECD criteria).			

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
1330-20-7	xylene	3
123-86-4	n-butyl acetate	2,3
100-41-4	ethylbenzene	3,15
108-65-6	2-methoxy-1-methylethyl acetate	0,56

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DINITROL 442 Pyrmotec 53 Black

Print date: 08.04.2016

Product code: 5115

Page 13 of 16

**BCF**

CAS No	Chemical name	BCF	Species	Source
1330-20-7	xylene	25,9	Oncorhynchus mykiss (Rainbow trout)	

**12.4. Mobility in soil**

There are no data available on the mixture itself.

**12.5. Results of PBT and vPvB assessment**

not applicable

**12.6. Other adverse effects**

No information available.

**Further information**

There are no data available on the preparation/mixture itself.  
Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**
**Advice on disposal**

Dispose of waste according to applicable legislation. Do not mix with other wastes.  
List of proposed waste codes/waste designations in accordance with EWC:

**Waste disposal number of waste from residues/unused products**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances  
Classified as hazardous waste.

**Waste disposal number of contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances  
Classified as hazardous waste.

**Contaminated packaging**

Remove according to the regulations.

## SECTION 14: Transport information

**Land transport (ADR/RID)**

**14.1. UN number:** UN 1139  
**14.2. UN proper shipping name:** Coating solution  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 640E  
 Limited quantity: 5 L  
 Transport category: 3  
 Hazard No: 30

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DINITROL 442 Pyrmotec 53 Black

Print date: 08.04.2016

Product code: 5115

Page 14 of 16

Tunnel restriction code: D/E

#### Other applicable information (land transport)

E1

#### Marine transport (IMDG)

**14.1. UN number:** UN 1139

**14.2. UN proper shipping name:** Coating solution

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** III

Hazard label: 3



Marine pollutant: no

Special Provisions: 955

Limited quantity: 5 L

EmS: F-E, S-E

#### Other applicable information (marine transport)

E1

#### Air transport (ICAO)

**14.1. UN number:** UN 1139

**14.2. UN proper shipping name:** Coating solution

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** III

Hazard label: 3



Special Provisions: A3

Limited quantity Passenger: 10 L

IATA-packing instructions - Passenger: 355

IATA-max. quantity - Passenger: 60 L

IATA-packing instructions - Cargo: 366

IATA-max. quantity - Cargo: 220 L

#### Other applicable information (air transport)

E1

Passenger-LQ: Y344

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

Warning: Flammable liquids

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

## SECTION 15: Regulatory information

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

#### EU regulatory information

according to Regulation (EC) No 1907/2006

## DINITROL 442 Pyrmotec 53 Black

Print date: 08.04.2016

Product code: 5115

Page 15 of 16

2004/42/EC (VOC): 44,6 % (530 g/l)

### Additional information

Observe in addition any national regulations!

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 2 - water contaminating

### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 1.

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

### Relevant R phrases (number and full text)

- |       |   |
|-------|---|
| 10    | Flammable.  |
| 11    | Highly flammable.   |
| 20    | Harmful by inhalation.  |
| 20/21 | Harmful by inhalation and in contact with skin.   |
| 38    | Irritating to skin.   |
| 43    | May cause sensitisation by skin contact.  |
| 48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation.         |
| 48/25 | Toxic: danger of serious damage to health by prolonged exposure if swallowed.                 |
| 51    | Toxic to aquatic organisms.   |
| 52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 53    | May cause long-term adverse effects in the aquatic environment.                               |
| 65    | Harmful: may cause lung damage if swallowed.  |
| 66    | Repeated exposure may cause skin dryness or cracking.   |
| 67    | Vapours may cause drowsiness and dizziness.   |

### Relevant H and EUH statements (number and full text)

- |      |   |
|------|---|
| H225 | Highly flammable liquid and vapour.           |
| H226 | Flammable liquid and vapour.                  |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin.                 |
| H315 | Causes skin irritation.                       |
| H317 | May cause an allergic skin reaction.          |
| H319 | Causes serious eye irritation.                |

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DINITROL 442 Pyrmotec 53 Black

Print date: 08.04.2016

Product code: 5115

Page 16 of 16

H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains Fatty acids, C18-unsatd. , trimers, compds. with oleylamine, Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

---

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*