



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

**PANTERA®40EC**

Version 5.0

Revision Date 01.08.2014

Print Date 23.01.2015

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Trade name : PANTERA®40EC

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

Use of the Substance/Mixture : Herbicide

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

Company: Chemtura Manufacturing UK Limited  
Tenax Road, Trafford Park  
Manchester  
United Kingdom  
M17 1WT

Customer Service: +44 161 875 3800  
Prepared by: msdsrequest@chemtura.com

Further information for the safety data sheet :  
msdsrequest@chemtura.com

**1.4 Emergency telephone number**

Emergency telephone number: +44 (0) 1235 239 670 (NCEC)  
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

**2. Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008)**

Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.

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Germ cell mutagenicity, Category 2  
Reproductive toxicity, Category 1B

Specific target organ toxicity - single exposure, Category 3, Central nervous system

Aspiration hazard, Category 1

Acute aquatic toxicity, Category 1  
Chronic aquatic toxicity, Category 2

**Classification (67/548/EEC, 1999/45/EC)**

Toxic to Reproduction Category 2  
Harmful

Mutagenic Category 3  
Sensitising  
Dangerous for the environment

Irritant

H341: Suspected of causing genetic defects.  
H360Df: May damage the unborn child. Suspected of damaging fertility.  
H336: May cause drowsiness or dizziness.

H304: May be fatal if swallowed and enters airways.  
H400: Very toxic to aquatic life.  
H411: Toxic to aquatic life with long lasting effects.

R61: May cause harm to the unborn child.  
R65: Harmful: may cause lung damage if swallowed.  
R68: Possible risk of irreversible effects.  
R43: May cause sensitisation by skin contact.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R38: Irritating to skin.  
R67: Vapours may cause drowsiness and dizziness.

**2.2 Label elements**

**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal word : Danger

Hazard statements : H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H341 Suspected of causing genetic defects.  
H360Df May damage the unborn child. Suspected of damaging fertility.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P280 Wear protective gloves.



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P281 Use personal protective equipment as required.  
**Response:**  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P331 Do NOT induce vomiting.

Supplemental Hazard Statements : EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Hazardous components which must be listed on the label:

- 8042-47-5 White mineral oil
- 64742-94-5 kerosine - unspecified
- 119738-06-6 Quizalofop-P-Tefuryl

**Additional Labelling:**

Restricted to professional users.

**2.3 Other hazards**

**3. Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous components**

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
kerosine - unspecified	64742-94-5 265-198-5	Xn; R65 R66 R67 N; R51/53	Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 2; H411	>= 30 - < 50
Alcohols, C16-18 and C18-unsatd., ethoxylated	68920-66-1	Xi; R38	Skin Irrit. 2; H315	>= 10 - < 20
1-methyl-2-pyrrolidone	872-50-4 212-828-1	Xi; R36/37/38 Repr.Cat.2; R61	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Repr. 1B; H360D STOT SE 3; H335	>= 1 - < 5
Quizalofop-P-Tefuryl	119738-06-6	Repr.Cat.2; R61	Acute Tox. 4; H302	4.41

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	414-200-4	Repr.Cat.3; R62 Mut.Cat.3; R68 Xn; R22-R48/22 N; R50-R53 Xi; R43	Skin Sens. 1B; H317 Muta. 2; H341 Repr. 1B; H360Df STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts	68953-96-8 273-234-6	Xn; R21 Xi; R38 Xi; R41 R52/53	2; H315 1; H318 Acute Tox. 4; H312 Aquatic Chronic 2; H411	>= 1 - < 5
Alcohols, C10-12, ethoxylated propoxylated	68154-97-2	Xn; R22 Xi; R41	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 1 - < 5
Tristyrylphenol ethoxylates	99734-09-5	R52/53	Aquatic Chronic 3; H412	>= 1 - < 10
2-methylpropan-1-ol	78-83-1 201-148-0	R10 Xi; R37/38-R41 R67	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335, H336	>= 1 - < 5
White mineral oil	8042-47-5 232-455-8		Asp. Tox. 1; H304	>= 30 - <= 40

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.

#### 4. First aid measures

##### 4.1 Description of first aid measures

- If inhaled : Move to fresh air.  
Call a physician or poison control centre immediately.  
Obtain medical attention.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off immediately with soap and plenty of water.  
Use a mild soap if available.  
If skin irritation persists, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,

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for at least 15 minutes.  
If symptoms persist, call a physician.

If swallowed : Do NOT induce vomiting.  
Rinse mouth with water.  
Drink 1 or 2 glasses of water.  
Call a physician or poison control centre immediately.  
Obtain medical attention.

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

Symptoms : No information available.

Risks : No information available.

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

Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

## **5. Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media : Extinguishing media - large fires  
Alcohol-resistant foam  
(on small fires)  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : Water spray jet

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

Specific hazards during firefighting : No information available.

### **5.3 Advice for firefighters**

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Complete suit protecting against chemicals  
Full protective flameproof clothing

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Prevent fire extinguishing water from contaminating surface water or the ground water system.



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**6. Accidental release measures**

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

Personal precautions : Evacuate personnel to safe areas.  
Avoid contact with skin and eyes.  
Wear suitable protective equipment.

**6.2 Environmental precautions**

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.  
Do not contaminate ponds, waterways or ditches with chemical or used container.

**6.3 Methods and materials for containment and cleaning up**

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Soak up with inert absorbent material and dispose of as hazardous waste.  
Dam up.  
Large spills should be collected mechanically (remove by pumping) for disposal.

**6.4 Reference to other sections**

Refer to protective measures listed in sections 7 and 8.

**7. Handling and storage**

**7.1 Precautions for safe handling**

Advice on safe handling : Wear suitable protective equipment.  
Keep container tightly closed.  
For information about personal protective equipment and exposure control for the use of each mixture refer to the attached safety data sheets.

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

Requirements for storage areas and containers : Keep in a dry, cool place.  
Other data : Stable under normal conditions.

**7.3 Specific end use(s)**

Specific use(s) : Herbicide



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**8. Exposure controls/personal protection**

**8.1 Control parameters**

Components	CAS-No.	Value	Control parameters	Update	Basis
1-methyl-2-pyrrolidone	872-50-4	TWA	10 ppm 40 mg/m <sup>3</sup>	2009-12-19	2009/161/EU
		STEL	20 ppm 80 mg/m <sup>3</sup>	2009-12-19	2009/161/EU
		TWA	10 ppm 40 mg/m <sup>3</sup>	2011-12-01	GB EH40
		STEL	20 ppm 80 mg/m <sup>3</sup>	2011-12-01	GB EH40
2-methylpropan-1-ol	78-83-1	TWA	50 ppm 154 mg/m <sup>3</sup>	2005-04-06	GB EH40
		STEL	75 ppm 231 mg/m <sup>3</sup>	2005-04-06	GB EH40

**8.2 Exposure controls**

**Engineering measures**

Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.  
Respirator with a vapour filter (EN 141)  
In the case of hazardous fumes, wear self contained breathing apparatus.  
The filter class for the respirator must be suitable for the maximum expected contaminant concentration



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(gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection : Impervious gloves

Eye protection : Safety goggles

Skin and body protection : Full protective suit

Hygiene measures : Do not flush into surface water or sanitary sewer system.  
Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and immediately after handling the product.  
Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls**

General advice : Do not allow uncontrolled discharge of product into the environment.  
Do not contaminate ponds, waterways or ditches with chemical or used container.

**9. Physical and chemical properties**

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

Appearance : liquid

Colour : clear, yellow

Odour : aromatic

Odour Threshold :

No data available

Flash point : 62 °C

Ignition temperature : 385 - 395 °C

Lower explosion limit : No data available

Upper explosion limit : No data available



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Flammability (solid, gas) : No information available.  
Auto-ignition temperature :  
pH : 5 - 7

: Note: No data available

Boiling point/boiling range : Note: No data available

Vapour pressure :

No data available

Density : 0.885 - 0.905 g/cm<sup>3</sup>

Relative density :

at No data available

Water solubility :

emulsifiable

Partition coefficient: n-  
octanol/water :

POW:  
log Pow:  
No data available

Solubility in other solvents :

not determined

Viscosity, dynamic : 9 mPa.s  
at 20 °C

Viscosity, kinematic : 5.4 mm<sup>2</sup>/s  
at 38.4 °C

9 mm<sup>2</sup>/s  
at 22.7 °C

Relative vapour density :

No data available

Surface tension : 31.9 mN/m  
at 40 °C

Evaporation rate :

No data available

**9.2 Other information**

Oxidising potential : Note: No information available.



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**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 : No dangerous reaction known under conditions of normal use.

**10.4 Conditions to avoid**

Conditions to avoid : Extremes of temperature and direct sunlight.

**10.5 Incompatible materials**

Materials to avoid : Strong acids and strong bases  
Strong oxidizing agents

**10.6 Hazardous decomposition products**

Hazardous decomposition products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

Thermal decomposition : Note: No data available

**11. Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

Acute oral toxicity : LD50: > 2,000 mg/kg  
Species: rat  
Method: OECD Test Guideline 401

Acute oral toxicity  
1-methyl-2-pyrrolidone : LD50 Oral: 3,914 mg/kg  
Species: rat

Quizalofop-P-Tefuryl : Acute toxicity estimate: 500 mg/kg  
Method: Converted acute toxicity point estimate  
LD50: 1,012 mg/kg  
Species: rat

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Method: OECD Test Guideline 401  
Target Organs: Adrenal gland, Kidney, Stomach, Lungs,  
Bladder, Pituitary gland

Acute inhalation toxicity : LC50: > 5.3 mg/l  
Exposure time: 4 h  
Species: rat

Acute inhalation toxicity  
Quizalofop-P-Tefuryl : LC50: > 3.9 mg/l  
Exposure time: 4 h  
Species: rat  
Method: OECD-Guideline No. 404  
Remarks: An LC50/inhalation/4h/rat could not be determined  
because no mortality of rats was observed at the maximum  
achievable concentration.

Acute dermal toxicity : LD50: > 4,000 mg/kg  
Species: rat

Acute dermal toxicity  
1-methyl-2-pyrrolidone : LD50 Dermal: 8,000 mg/kg  
Species: rabbit

Quizalofop-P-Tefuryl : LD50: > 2,000 mg/kg  
Species: rabbit  
Method: OECD Test Guideline 402  
Test substance: see user defined free text

**Skin corrosion/irritation**

Skin irritation : Species: rabbit  
Result: Skin irritation

Skin irritation  
1-methyl-2-pyrrolidone : Result: Mild skin irritation

Quizalofop-P-Tefuryl : Species: rabbit  
Result: No skin irritation  
Classification: No skin irritation  
Method: OECD Test Guideline 404  
Exposure time: 4 h

**Serious eye damage/eye irritation**

Eye irritation : Species: rabbit  
Result: Mild eye irritation

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Eye irritation  
1-methyl-2-pyrrolidone : Result: Severe irritation

Quizalofop-P-Tefuryl : Species: rabbit  
Result: No eye irritation  
Classification: No eye irritation

**Respiratory or skin sensitisation**

Sensitisation : Species: guinea pig  
Classification: May cause sensitisation by skin contact.

Sensitisation  
Quizalofop-P-Tefuryl : Buehler Test  
Species: guinea pig  
Result: Did not cause sensitisation on laboratory animals.  
Method: OECD Test Guideline 406  
  
Species: guinea pig  
Result: May cause sensitisation by skin contact.  
Method: OECD Test Guideline 406

Germ cell mutagenicity  
Quizalofop-P-Tefuryl : Salmonella typhimurium  
Result: negative  
Method: OECD Test Guideline 471

Genotoxicity in vivo  
Quizalofop-P-Tefuryl : Species: mouse  
Method: OECD Test Guideline 474  
Dose: 138, 275 and 550 mg/kg bw  
Exposure time: 48h  
  
Species: mouse  
Method: OECD Test Guideline 474  
Dose: 100, 200 or 400 mg/kg  
Result: negative

**Mutagenicity Assessment**  
Remarks : Suspected of causing genetic defects.



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**Carcinogenicity**

Quizalofop-P-Tefuryl : Species: rat  
Dose: 0, 25, 750 and 1250 ppm  
NOAEL Value: 1.3  
mg/kg bw/day

Species: mouse  
Dose: 0, 10, 60, 125 and 250 ppm

**Carcinogenicity Assessment**

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

**Reproductive toxicity Assessment**

Remarks : May damage fertility or the unborn child.

**Target Organ Systemic Toxicant - Repeated exposure**

Quizalofop-P-Tefuryl : Species: rat, male and female  
Target Organs: Liver, Kidney, Testes  
Dose: 0, 250, 500, 1000 and 5000 ppm  
Exposure time: 28-day ()  
NOEL: 250 ppm (19.7 mg/kg bw/day (M) and 21.6 mg/kg  
bw/day (F))  
Lowest observable effect level: 500 ppm (40.3-43.9 mg/kg  
bw/da  
Method: OECD Test Guideline 407

Species: rat, male and female  
Target Organs: Liver, Adrenal gland, Kidney, Testes  
Dose: 0, 250, 500, 1000 and 5000 ppm  
Exposure time: 28-day ()  
NOEL: < 250 ppm (48-75 mg/kg bw/day) --> No NOAEL  
Method: OECD Test Guideline 407

Species: dog  
Target Organs: thymus gland, Liver, Kidney, spleen  
Dose: 0, 1000, 5000 and 10000 ppm (m  
Exposure time: 28-day ()  
NOEL: 1000 ppm (40 mg/kg bw/day)  
Lowest observable effect level: 2250 ppm  
Method: OECD Test Guideline 407

Species: rat  
Target Organs: Liver, Blood  
Dose: 0, 25, 500 and 2500 ppm (mg/kg  
Exposure time: 13 weeks ()  
NOEL: 25 ppm (1.7 mg/kg bw/day (M) and 2.0 mg/kg



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bw/day (F)  
Lowest observable effect level: 500 ppm(33.4-41.6 mg/kg  
bw/day  
Method: OECD Test Guideline 408

Species: mouse  
Target Organs: Liver, Kidney  
Dose: 0, 50, 125 and 250 ppm  
Exposure time: 13 weeks ()  
NOEL: 50 ppm (7 mg/kg bw/day (M) and 9 mg/kg bw/day  
(F))  
Lowest observable effect level: 125 ppm (18-40 mg/kg  
bw/day)  
Method: OECD Test Guideline 408

Species: dog  
Dose: 0, 50, 900, and 1800 mg/kg (pp  
Exposure time: 13 weeks ()  
NOEL: 30-35 mg/kg bw/day  
Lowest observable effect level: 1800 ppm (51-77 mg/kg  
bw/day)  
Method: OECD Test Guideline 409

Species: dog  
Dose: 0, 50, 750 and 1500 mg/kg (ppm  
Exposure time: (1 y)  
NOEL: 750 ppm (26 mg/kg bw/day)  
Lowest observable effect level: 1500 oom (44-50 mg/kg  
bw/day)  
Method: OECD Test Guideline 409

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

**Toxicology Assessment**

**Further information** : No information available.

**12. Ecological information**

**12.1 Toxicity**

Toxicity to fish : LC50: 8.2 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)  
: NOEC: 1.3 mg/l



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Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to fish  
kerosine - unspecified

: LD50:  $\geq 2$  mg/l  
Exposure time: 96 h

Species: Oncorhynchus mykiss (rainbow trout)

1-methyl-2-pyrrolidone

: LC50:  $> 100$  mg/l  
Exposure time: 96 h

Species: Fish

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: LC50: 0.51 mg/l  
Exposure time: 96 h

Species: Oncorhynchus mykiss (rainbow trout)  
flow-through test  
NOEC: 0.16 mg/l

Species: Oncorhynchus mykiss (rainbow trout)  
flow-through test  
LC50: 0.23 mg/l  
Exposure time: 96 h

Species: Lepomis macrochirus (Bluegill sunfish)  
flow-through test  
NOEC: 0.14 mg/l

Species: Lepomis macrochirus (Bluegill sunfish)  
flow-through test

Toxicity to daphnia and other  
aquatic invertebrates

: EC50: 4.8 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)

: NOEC: 1.8 mg/l  
Species: Daphnia magna (Water flea)

Toxicity to daphnia and other aquatic invertebrates

Quizalofop-P-Tefuryl

: EC50:  $> 1.5$  mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
flow-through test  
NOEC: 1.5 mg/l  
Species: Daphnia magna (Water flea)

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flow-through test

Toxicity to algae : ErC50: 0.65 mg/l  
Exposure time: 72 h  
Species: Selenastrum capricornutum (green algae)

: NOEC: 0.18 mg/l  
Species: Selenastrum capricornutum (green algae)

Toxicity to algae  
Quizalofop-P-Tefuryl : ErC50: > 1.9 mg/l  
Exposure time: 120 h  
Species: Selenastrum capricornutum (green algae)  
Method: OECD Test Guideline 201

ErC50: 1.3 mg/l  
Exposure time: 72 h  
Species: Freshwater diatom (navicula pelliculosa)  
Method: OECD Test Guideline 201

EC50: 2.1 mg/l  
Exposure time: 14 d  
Species: Lemna gibba

Quizalofop-P-Tefuryl : 1

### **12.2 Persistence and degradability**

Biodegradability : Remarks:  
No data available

### **12.3 Bioaccumulative potential**

Bioaccumulation : Exposure time: 28 d  
Bioconcentration factor (BCF): 340

### **12.4 Mobility in soil**

Mobility : Remarks:  
No data available

Surface tension : 31.9 mN/m  
at 40 °C





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**12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

**13. Disposal considerations**

**13.1 Waste treatment methods**

- Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

**14. Transport information**

**ADR**

- UN number : 3082  
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S.  
(Quizalofop-P-tefuryl)
- Transport hazard class(es) : 9  
Packing group : III  
Classification Code : M6  
Hazard Identification : 90  
Number  
Labels : 9  
Tunnel restriction code : (E), full load, tank-container  
Environmentally hazardous : yes

**IATA**

- UN number : 3082  
Description of the goods : Environmentally hazardous substance, liquid, n.o.s.  
(Quizalofop-P-tefuryl)



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Class : 9  
Packing group : III  
Labels : 9  
Environmentally hazardous : yes

**IMDG**

UN number : 3082  
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S.  
(Quizalofop-P-tefuryl)

Class : 9  
Packing group : III  
Labels : 9  
EmS Number 1 : F-A  
EmS Number 2 : S-F

Marine pollutant : yes  
Quizalofop-P-tefuryl

**RID**

UN number : 3082  
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S.  
(Quizalofop-P-tefuryl)

Transport hazard class(es) : 9  
Packing group : III  
Classification Code : M6  
Hazard Identification : 90  
Number  
Labels : 9  
Environmentally hazardous : yes

**15. Regulatory information**

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

REACH - Candidate List of  
Substances of Very High  
Concern for Authorisation  
(Article 59). : 1-methyl-2-pyrrolidone



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Major Accident Hazard : 96/82/EC Update: 2003  
Legislation : Petroleum products: (a) gasolines and naphthas, (b)  
kerosenes (including jet fuels), (c) gas oils (including diesel  
fuels, home heating oils and gas oil blending streams)  
13  
Quantity 1: 2,500 t  
Quantity 2: 25,000 t

**15.2 Chemical Safety Assessment**  
No information available.

**16. Other information**

**Full text of R-phrases referred to under sections 2 and 3**

R10	Flammable.
R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50	Very toxic to aquatic organisms.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.
R61	May cause harm to the unborn child.
R62	Possible risk of impaired fertility.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
R68	Possible risk of irreversible effects.

**Full text of H-Statements referred to under sections 2 and 3.**



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H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H360D	May damage the unborn child.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Carechem24 International Worldwide Coverage - Chemtura Corporation**

**Emergency Phone Number**

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	Australia	+61 2801 44558
	New Zealand	+64 9929 1483
	China Taiwan	+86 10 5100 3039
	Japan	+81 345 789 341
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	Malaysia	+60 3 6207 4347
	Thailand	001800 1 2066 6751
	Korea	+65 3158 1285
	Vietnam	+65 3158 1255
	India	+65 3158 1198
	Pakistan	+65 3158 1329
	Philippines	+65 31581203
	Sri Lanka	+65 3158 1195
	Bangladesh	+65 3158 1200
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	All other countries	+44 (0) 1235 239 670
<u>America</u>	United States / Canada	001866 928 0789



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	All other countries	+44 (0) 1235 239 670
	Mexico	+52 555 004 8763

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