

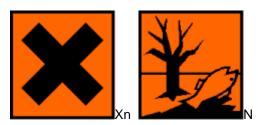
1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE **COMPANY/UNDERTAKING** 1.1. Product identifier Trade name : Thrust 1.2. Relevant identified uses of the substance or mixture and uses advised against Use : Herbicide 1.3. Details of the supplier of the safety data sheet Nufarm UK Limited Wyke Lane Wyke Bradford West Yorkshire BD12 9EJ United Kinadom Telephone: +44 (0)1274 691234 Telefax: +44 (0)1274 691176 E-mail address: infouk@uk.nufarm.com 1.4. Emergency telephone number +44 (0)1274 696603 2. HAZARDS IDENTIFICATION 2.1. Classification of the substance or mixture EEC/99/45: R22 - Harmful if swallowed. Xn Xi R37 - Irritating to respiratory system. Xi R41 - Risk of serious damage to eyes. Xi R43 - May cause sensitization by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term Ν adverse effects in the aquatic environment. EG 1272/08: AcuteTox.4 H302 - Harmful if swallowed. H318 - Causes serious eye damage. EveDam.1 H317 - May cause an allergic skin reaction. SkinSens.1 AquaticChronic2 H411 - Toxic to aquatic life with long lasting effects. 2 2.2. Label elements according directive 1999/45/EG



Version 4 (UK)

Issuing date: 2014/05/07

Pictogram:



R37 - R41 - R43 -	Harmful if swallowed. Irritating to respiratory system. Risk of serious damage to eyes. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S24 - S26 - S37/39 -	medical advice. Wear suitable gloves and eye/face protection. This material and its container must be disposed of in a safe way. Use appropriate container to avoid environmental contamination.

REGULATION (EC) No 1272/2008



Signal word: Danger

H302 H318 H317 H411 EUH401	 Harmful if swallowed. Causes serious eye damage. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects. To avoid risks to human health and the environment, comply with the instructions for use.
P305 + P351 + P338 P301 + P312	 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

	'hrust	
	ersion 4 (UK)	Issuing date: 2014/0
P302 + -	IF ON SKIN: Wash	n with plenty of soap and water.
	If skin irritation or r	rash occurs: Get medical advice/ attention.
P313 P310 -	Immediately call a	POISON CENTER or doctor/ physician.
P273 - P501 -	Avoid release to th Dispose of content	te environment. ts/ container to a licensed hazardous-waste disposal contractor xcept for empty clean containers which can be disposed of as
Other hazards	5	
This mixture con	tains no substance	e considered to be persistent, bioaccumulating nor toxic (PBT).
COMPOSITION	N/INFORMATIO	IN ON INGREDIENTS
Chemical natur		queous solution of dimethylammonium salts ontains 344 g/L 2,4-D and 120 g/L Dicamba
Chemical natur Mixtures		queous solution of dimethylammonium salts ontains 344 g/L 2,4-D and 120 g/L Dicamba
Mixtures <u>Components:</u> 2,4-D DMA CAS-No.:	С	ontains 344 g/L 2,4-D and 120 g/L Dicamba
Mixtures <u>Components:</u> 2,4-D DMA CAS-No.: EINECS-No. / ELINC REACH No.:	С	ontains 344 g/L 2,4-D and 120 g/L Dicamba
Mixtures <u>Components:</u> 2,4-D DMA CAS-No.: EINECS-No. / ELINC	С	ontains 344 g/L 2,4-D and 120 g/L Dicamba
Mixtures <u>Components:</u> 2,4-D DMA CAS-No.: EINECS-No. / ELINC REACH No.:	C CS No.: AcuteTox.4	2008-39-1 217-915-8 35.7 % (w/w) H302 - Harmful if swallowed.
Mixtures <u>Components:</u> 2,4-D DMA CAS-No.: EINECS-No. / ELINC REACH No.: Concentration: <u>Classification:</u>	C CS No.:	2008-39-1 217-915-8 35.7 % (w/w) H302 - Harmful if swallowed. H318 - Causes serious eye damage. H317 - May cause an allergic skin reaction.
Mixtures <u>Components:</u> 2,4-D DMA CAS-No.: EINECS-No. / ELINC REACH No.: Concentration: <u>Classification:</u>	C CS No.: AcuteTox.4 EyeDam.1	2008-39-1 217-915-8 35.7 % (w/w) H302 - Harmful if swallowed. H318 - Causes serious eye damage.
Mixtures <u>Components:</u> 2,4-D DMA CAS-No.: EINECS-No. / ELINC REACH No.: Concentration: <u>Classification:</u> EG_1272/08 :	CS No.: AcuteTox.4 EyeDam.1 SkinSens.1 AquaticChronic2	2008-39-1 217-915-8 35.7 % (w/w) H302 - Harmful if swallowed. H318 - Causes serious eye damage. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects. R41 - Risk of serious damage to eyes. R22 - Harmful if swallowed.
Mixtures <u>Components:</u> 2,4-D DMA CAS-No.: EINECS-No. / ELINC REACH No.: Concentration: <u>Classification:</u> EG_1272/08 :	CS No.: AcuteTox.4 EyeDam.1 SkinSens.1 AquaticChronic2 Xi	2008-39-1 217-915-8 35.7 % (w/w) H302 - Harmful if swallowed. H318 - Causes serious eye damage. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects. R41 - Risk of serious damage to eyes.
Mixtures <u>Components:</u> 2,4-D DMA CAS-No.: EINECS-No. / ELINC REACH No.: Concentration: <u>Classification:</u> EG_1272/08 : EEC/67/548 :	CS No.: AcuteTox.4 EyeDam.1 SkinSens.1 AquaticChronic2 Xi Xn	2008-39-1 217-915-8 35.7 % (w/w) H302 - Harmful if swallowed. H318 - Causes serious eye damage. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects. R41 - Risk of serious damage to eyes. R22 - Harmful if swallowed. R43 - May cause sensitization by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in
Mixtures <u>Components:</u> 2,4-D DMA CAS-NO.: EINECS-NO. / ELINC REACH NO.: Concentration: <u>Classification:</u> EG_1272/08 : EEC/67/548 : <u>Dicamba DMA</u>	CS No.: AcuteTox.4 EyeDam.1 SkinSens.1 AquaticChronic2 Xi Xn	2008-39-1 217-915-8 35.7 % (w/w) H302 - Harmful if swallowed. H318 - Causes serious eye damage. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects. R41 - Risk of serious damage to eyes. R22 - Harmful if swallowed. R43 - May cause sensitization by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Mixtures <u>Components:</u> 2,4-D DMA CAS-NO.: EINECS-NO. / ELINC REACH NO.: Concentration: <u>Classification:</u> EG_1272/08 : EEC/67/548 : <u>Dicamba DMA</u> CAS-NO.: EINECS-NO. / ELINC	CS No.: AcuteTox.4 EyeDam.1 SkinSens.1 AquaticChronic2 Xi Xn N	2008-39-1 217-915-8 35.7 % (w/w) H302 - Harmful if swallowed. H318 - Causes serious eye damage. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects. R41 - Risk of serious damage to eyes. R22 - Harmful if swallowed. R43 - May cause sensitization by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in
Mixtures <u>Components:</u> 2,4-D DMA CAS-No.: EINECS-No. / ELINC REACH No.: Concentration: <u>Classification:</u> EG_1272/08 : EEC/67/548 : <u>Dicamba DMA</u> CAS-No.:	CS No.: AcuteTox.4 EyeDam.1 SkinSens.1 AquaticChronic2 Xi Xn N	2008-39-1 217-915-8 35.7 % (w/w) H302 - Harmful if swallowed. H318 - Causes serious eye damage. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects. R41 - Risk of serious damage to eyes. R22 - Harmful if swallowed. R43 - May cause sensitization by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Mixtures <u>Components:</u> <u>2,4-D DMA</u> CAS-No.: EINECS-No. / ELINC REACH No.: Concentration: <u>Classification:</u> EG_1272/08 : EEC/67/548 : <u>Dicamba DMA</u> CAS-No.: EINECS-No. / ELINC REACH No.: Concentration:	CS No.: AcuteTox.4 EyeDam.1 SkinSens.1 AquaticChronic2 Xi Xn N	2008-39-1 217-915-8 35.7 % (w/w) H302 - Harmful if swallowed. H318 - Causes serious eye damage. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects. R41 - Risk of serious damage to eyes. R22 - Harmful if swallowed. R43 - May cause sensitization by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 2300-66-5 218-951-7
Mixtures <u>Components:</u> 2,4-D DMA CAS-No.: EINECS-No. / ELINC REACH No.: Concentration: <u>Classification:</u> EG_1272/08 : EEC/67/548 : <u>Dicamba DMA</u> CAS-No.: EINECS-No. / ELINC REACH No.:	CS No.: AcuteTox.4 EyeDam.1 SkinSens.1 AquaticChronic2 Xi Xn N	2008-39-1 217-915-8 35.7 % (w/w) H302 - Harmful if swallowed. H318 - Causes serious eye damage. H317 - May cause an allergic skin reaction. H411 - Toxic to aquatic life with long lasting effects. R41 - Risk of serious damage to eyes. R22 - Harmful if swallowed. R43 - May cause sensitization by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 2300-66-5 218-951-7

	•	TA SHEET Jation (EC) No. 1907/2006
Nufarm	Version 4 (UK)	Issuing date: 2014/05
<u>2,4-Dichlorop</u> CAS-No.:	<u>phenol</u>	120-83-2
EINECS-No. / E REACH No.: Concentration:	LINCS No.:	204-429-6 01-2119513326-47 0.1 % (w/w)
Classification: EG_1272/08 :	AcuteTox.3 AcuteTox.4 SkinCorr.1B AquaticChronic2	H311 - Toxic in contact with skin. H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. P411 - Toxic to aquatic life with long lasting effects.
EEC/67/548 :	T Xn C N	 R24 - Toxic in contact with skin. R22 - Harmful if swallowed. R34 - Causes burns. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
FIRST AID I	MEASURES	
. Description	n of first aid mea	sures
Eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
Eye contact Skin contact	:	for at least 15 minutes. If eye irritation persists, consult a
	:	for at least 15 minutes. If eye irritation persists, consult a specialist. Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist,
Skin contact	:	for at least 15 minutes. If eye irritation persists, consult a specialist. Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use.
Skin contact Inhalation Ingestion	:	for at least 15 minutes. If eye irritation persists, consult a specialist. Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use. Move to fresh air. If symptoms persist, call a physician. Do NOT induce vomiting. Rinse mouth. If conscious, drink
Skin contact Inhalation Ingestion	:	for at least 15 minutes. If eye irritation persists, consult a specialist. Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use. Move to fresh air. If symptoms persist, call a physician. Do NOT induce vomiting. Rinse mouth. If conscious, drink plenty of water. If symptoms persist, call a physician.
Skin contact Inhalation Ingestion	:	for at least 15 minutes. If eye irritation persists, consult a specialist. Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use. Move to fresh air. If symptoms persist, call a physician. Do NOT induce vomiting. Rinse mouth. If conscious, drink plenty of water. If symptoms persist, call a physician. and effects, both acute and delayed Sweating, headache, Weakness, Diarrhoea, anorexia, nausea, Salivation, stomach pains, blurred vision, muscle twitching, Convulsions, Loss of reflexes, heart and circulatory collaps,
Skin contact Inhalation Ingestion Most impor Symptoms Hazards	: rtant symptoms : :	for at least 15 minutes. If eye irritation persists, consult a specialist. Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use. Move to fresh air. If symptoms persist, call a physician. Do NOT induce vomiting. Rinse mouth. If conscious, drink plenty of water. If symptoms persist, call a physician. and effects, both acute and delayed Sweating, headache, Weakness, Diarrhoea, anorexia, nausea, Salivation, stomach pains, blurred vision, muscle twitching, Convulsions, Loss of reflexes, heart and circulatory collaps, Coma
Skin contact Inhalation Ingestion Most impor Symptoms Hazards	: rtant symptoms : :	for at least 15 minutes. If eye irritation persists, consult a specialist. Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use. Move to fresh air. If symptoms persist, call a physician. Do NOT induce vomiting. Rinse mouth. If conscious, drink plenty of water. If symptoms persist, call a physician. and effects, both acute and delayed Sweating, headache, Weakness, Diarrhoea, anorexia, nausea, Salivation, stomach pains, blurred vision, muscle twitching, Convulsions, Loss of reflexes, heart and circulatory collaps, Coma No information available.
Skin contact Inhalation Ingestion Most impor Symptoms Hazards	rtant symptoms : : : of any immediate	for at least 15 minutes. If eye irritation persists, consult a specialist. Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use. Move to fresh air. If symptoms persist, call a physician. Do NOT induce vomiting. Rinse mouth. If conscious, drink plenty of water. If symptoms persist, call a physician. and effects, both acute and delayed Sweating, headache, Weakness, Diarrhoea, anorexia, nausea, Salivation, stomach pains, blurred vision, muscle twitching, Convulsions, Loss of reflexes, heart and circulatory collaps, Coma No information available.
Skin contact Inhalation Ingestion Most impor Symptoms Hazards	rtant symptoms : : : of any immediate	for at least 15 minutes. If eye irritation persists, consult a specialist. Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use. Move to fresh air. If symptoms persist, call a physician. Do NOT induce vomiting. Rinse mouth. If conscious, drink plenty of water. If symptoms persist, call a physician. and effects, both acute and delayed Sweating, headache, Weakness, Diarrhoea, anorexia, nausea, Salivation, stomach pains, blurred vision, muscle twitching, Convulsions, Loss of reflexes, heart and circulatory collaps, Coma No information available.



. FIREFIGHTING MEASU	RES	
5.1. Extinguishing media		
Suitable extinguishing media		Water spray, Carbon dioxide (CO2), Dry powder, Alcohol- resistant foam
Extinguishing media which shall not be used for safety reasons	:	High volume water jet
5.2. Special hazards arising	fron	n the substance or mixture
Specific hazards during firefighting	:	In the event of fire (HCI,CI2,CO) may be formed.
5.3. Advice for firefighters		
Special protective equipment for firefighters	:	Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
Further Information	:	Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
6. ACCIDENTAL RELEASE		
6.1. Personal precautions, p	rote	ctive equipment and emergency procedures
6.1. Personal precautions, po Wear personal protective equ	r ote uipm	ctive equipment and emergency procedures
 6.1. Personal precautions, personal protective equilation 6.2. Environmental precaution 	rote uipm ons	ctive equipment and emergency procedures ent. (see Chapter 8)
 6.1. Personal precautions, personal protective equilation 6.2. Environmental precaution Do not flush into surface wat 	rote uipm ons er or	ctive equipment and emergency procedures ent. (see Chapter 8) sanitary sewer system.
 6.1. Personal precautions, provide the personal protective equation is the precaution of the	rote uipm ons er or	ctive equipment and emergency procedures ent. (see Chapter 8) sanitary sewer system.
 6.1. Personal precautions, provide the personal protective equilibrium of the personal protective equilibrium of the precaution o	rote uipm ons er or cor c	ctive equipment and emergency procedures ent. (see Chapter 8) sanitary sewer system. ontainment and cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Sweep up and shovel into suitable
 6.1. Personal precautions, personal protective equivar personal protective equivation 6.2. Environmental precaution Do not flush into surface wat 6.3. Methods and materials for Methods for cleaning up 	rote uipm ons er or cor c	ctive equipment and emergency procedures ent. (see Chapter 8) sanitary sewer system. ontainment and cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Sweep up and shovel into suitable containers for disposal.



Issuing date: 2014/05/07

7. HANDLING AND STORAGE			
7.1. Precautions for safe hand	lling		
Safe handling advice	: Wear personal protective equipment. Keep out of reach of children.		
7.2. Conditions for safe stora	ge, including any incompatibilities		
Requirements for storage areas and containers	: Store in original container. Keep containers tightly closed in a cool, well-ventilated place.		
Advice on common storage	: Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.		
Storage stability			
Storage temperature	: >0 °C		

none

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Components with workplace control parameters (EH40/2005 Workplace exposure limits)

(21116/2000 110/10/10/00 0/100			
Components	CAS-No.	National occupational exposure limits	Note
2,4-D DMA	2008-39-1	10 mg/m3	
Dicamba DMA	2300-66-5		no classification available, not listed in EH40/2005
2,4-Dichlorophenol	120-83-2		no classification available, not listed in EH40/2005

8.2. Exposure controls

Personal protective equipment

Respiratory protection	:	Suitable respiratory protection for higher concentrations or long-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).
Hand protection	:	Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6,



Thrust

		corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other
Eye protection	:	Safety glasses with side-shields (frame goggles) (e.g. EN 166)
Skin and body protection	:	Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).
Hygiene measures	:	Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.
Protective measures	:	The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Physical state Form Colour Odour	-	liquid at 20 °C , Soluble concentrate brown amine-like
Start of crystallisation	:	ca.0 °C Aqueous solution
Boiling point/boiling range	:	ca.100 °C at 1,013 hPa Aqueous solution
Flash point	:	> 103 °C
Ignition temperature	:	> 424 °C
Explosivity	:	Not explosive
Upper explosion limit	:	no data available



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Thrust

Issuing date: 2014/05/07

Lower explosion limit	:	no data available
Vapour pressure	:	Active ingredients are organic salts. Vapour pressure is negligibly low.
Density	:	1.16 g/cm3 at 20 °C
Water solubility	:	completely miscible
Water solubility	:	completely miscible
рН	:	8 - 10
		6 - 9 at 10 g/l
Partition coefficient: n- octanol/water	:	no data available
Dissociation constant	:	no data available
Viscosity, dynamic	:	10.6 mPa.s at 20 °C

9.2. Other information

none

10. STABILITY AND REACTIVITY

10.1. Reactivity

no data available

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.



Version 4 (UK)

Issuing date: 2014/05/07

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials to avoid

Strong acids and strong bases

10.6. Hazardous decomposition products

no data available

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute oral toxicity	: LD50 rat Dose: 1,127 mg/kg
Acute dermal toxicity	: LD50 rat Dose: > 2,000 mg/kg
Skin irritation	: rabbit Result: Mild skin irritation
Eye irritation	: rabbit Classification: Risk of serious damage to eyes. Result: Severe eye irritation
Sensitisation	: mouse Result: May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity to birds	Practically non toxic	
Toxicity to bees	LD50 (oral) Apis me Testing period: 24 h Dose (µg/Species): :	· · · · ·



	 LD50 (oral) Apis mellifera (Honey bee) Testing period: 48 d Dose (µg/Species): > 100 LD50 (oral) Apis mellifera (Honey bee) Testing period: 72 h Dose (µg/Species): 95.91 LD50 (contact) Apis mellifera (Honey bee) Testing period: 96 h Dose (µg/Species): > 200
Toxicity to earthworms	: LC50 Eisenia fetida (earthworms) Dose: > 1,000 ppm Testing period: 14 d
Toxicity to fish	 LC50 Oncorhynchus mykiss (rainbow trout) Dose: > 1,000 mg/l Testing period: 96 h
	LC50 Cyprinus carpio (Common carp) Dose: > 1,000 mg/l Testing period: 96 h
	NOEC Pimephales promelas (Fathead Minnow) Dose: 63.4 mg/l Testing period: 32 d Test substance: (2,4-D)
	semi-static test NOEC Oncorhynchus mykiss (Rainbow trout) Dose: 180 mg/l Testing period: 21 d Test substance: (Dicamba)
Toxicity to daphnia	: EC50 Daphnia magna (Water flea) Dose: > 1,000 mg/l Testing period: 48 h
	semi-static test NOEC Daphnia magna (Water flea) Dose: 97 mg/l Testing period: 21 d Test substance: (Dicamba)
	NOEC Daphnia magna (Water flea) Dose: 46.2 mg/l
	10/13



	Testing period: 21 d Test substance: (2,4-D)
Toxicity to algae	: LC50 Desmodesmus subspicatus (green algae) Dose: 204.6 mg/l Exposure time: 72 h
	EC50 Lemna gibba (Duckweed) Dose: 7.378 mg/l Exposure time: 7 d
	NOEC Lemna gibba (Duckweed) Dose: 0.32 mg/l Exposure time: 7 d
.2. Persistence and de	gradability
Biodegradability	: no data available
Stability in soil	: DT50: 2.1 - 8 d (Dicamba)
	DT50: 2 - 59 d (2,4-D)
Stability in water	: DT50: 13 d (2,4-D)
	DT50: 14 - 40 d (Dicamba)
.3. Potential bioaccum	ulation
Bioaccumulation	: Does not bioaccumulate.
.4. Mobility in soil	
Koc= 5 - 212 (2,4-D) Kfoc = 3.45 - 21.2, 1/n=	0.72 - 0.93 (Dicamba)
.5. Results of PBT and	I vPvB assessment
This mixture contains no	o substance considered to be persistent, bioaccumulating nor toxic (PBT).
.6. Other adverse effe	cts
none	



Issuing date: 2014/05/07

3. DISPOSAL CONSIDE	RATIONS
According to European Dire Waste Code	ective 2000/532/EC as amended : : 02 01 08 (agrochemical waste containing dangerous substances)
3.1. Waste treatment metho	ods
Product	: Dispose of product and packaging in accordance with The Green Code. (The Code of Practice for the safe use of Pesticides on Farms and Holdings.) A MAFF Publication.
Contaminated packaging	: Do not dispose with household waste. Do not re-use empty containers. Dispose at licensed waste disposal site capable of accepting pesticides in compliance with applicable regulations. according to EC directive 94/62/EC
4. TRANSPORT INFORM	IATION
4. TRANSPORT INFORM 4.1. UN number	IATION
	IATION
4.1. UN number	
 4.1. UN number UN3082 4.2. Proper shipping name 	
 4.1. UN number UN3082 4.2. Proper shipping name 	LLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*(2,4-D)
 4.1. UN number UN3082 4.2. Proper shipping name UN3082 ENVIRONMENTAL 	LLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*(2,4-D)
 4.1. UN number UN3082 4.2. Proper shipping name UN3082 ENVIRONMENTAL 4.3. Transport hazard class ADR/RID : 	e LLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*(2,4-D) S(es)

14.4. Packaging group

ADR/RID : III



Thrust Version 4 (UK)

NUIGIA Version 4	UK)	Issuing date: 2014/05/0
IMDG	: 111	
IATA-DGR	: 111	
14.5. Environmental hazaı	ds	
IMDG Marine Pollutant	: MP	
14.6. Special precautions	for user	
none		
15. REGULATORY INFC	RMATION	
15.1. Safety, health and er mixture	vironmental regulations/le	egislation specific for the substance or
Other regulations	: The product is classifie directives or respective	ed and labelled in accordance with EC national laws.
15.2. Chemical Safety Ass	essment	
none		
16. OTHER INFORMATI	DN	
Print Date	: 2014/05/07	
		(MM/DD is used according to ISO 8601. ed in the left hand margin by:)
belief at the date of its publicat use, processing, storage, trans quality specification. The infor	ion. The information given is de portation, disposal and release nation relates only to the specif	to the best of our knowledge, information and esigned only as a guidance for safe handling, and is not to be considered a warranty or fic material designated and may not be valid fo in any process, unless specified in the text.
The information contained here guarantee certain properties.	in is based on the present stat	e of our knowledge and does therefore not