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URE AND OF THE COMPANY/UNDERTAKING
VITAX LAWNCLEAR <sup>2</sup>
GREEN UP FEED & WEED
or mixture and uses advised against:
Supplied for use as a retail lawn weedkiller
The use of the substance should be limited to those specified on the label
fety data sheet:
Vitax Limited
Owen Street
Coalville
LE67 3DE
Tel: 01530 510060 Fax: 01530 510299 Email: tech@vitax.co.uk
mixture ion (EC) No 1272/2008 (EU-GHS/CLP) Aquatic Chronic, 3, H412
n/a
H412 Harmful to aquatic life with long lasting effects
<ul><li>H412 Harmful to aquatic life with long lasting effects</li><li>P273 Avoid release to the environment</li><li>P501 Dispose of contents/container in accordance with national regulations</li></ul>

This product does not contain any PBT or vPvB substances.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS 3.2 Mixture

2.3. Other hazards

Chemical Name	CAS-No./ EINECS- No.	Annex Index or REACH number	Symbol(s) and phrases	Precautionary statements:	Concentration [%]
MCPA DMA salt	CAS-No. 2039-46-5 EC-No. 218-014-2		GHS07 Acute Tox., 4, H302, Harmful if swallowed Acute Tox., 4, H312 Acute Tox., 4, H332 Eye cor/irr, 1, H318 Causes serious eye damage Aquatic Acute, 1, H400 Aquatic Chronic, 1, H410	P273 P280 P301/312 P302/352 P305/351/338 P313	1.15 %
salts of 2,4-D	<b>CAS-No.</b> 2008-39-1 <b>EC-No.</b> 217-915-8	Index 607-040-00-3	Acute Tox., 4, H302 Eye Dam., 1, H318 Skin Sens., 1, H317 Aquatic Chronic, 2, H411		0.97 %
Clopyralid monoethanolamine salt	CAS-No. 57754-85-5 EC-No. 260-929-4		Not classified		0.25 %
4-chloro-o-cresol; 4-chloro-2-methyl phenol	<b>CAS-No.</b> 1570-64-5 <b>EC-No.</b> 216-381-3	Index 604-012-00-2	Acute Tox., 3, H331 Skin Corr., 1A, H314 Aquatic Acute, 1, H400		< 0.06 %

#### 4. FIRST AID MEASURES

4.1 Description of first aid measures General advice:	First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.
4.1.1 Inhalation	Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). Call a poison control centre or doctor for treatment advice.
4.1.2 Skin & Eye exposure Skin Contact:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. Suitable emergency safety shower facility should be available in work area.

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Eye Contact:	Wash immediately and continuously with flowing water for at least 30 minutes.
	Remove contact lenses after the first 5 minutes and continue washing. Obtain
	prompt medical consultation, preferably from an ophthalmologist. Suitable
	emergency eye wash facility should be immediately available.
4.1.3 Ingestion	Call a poison control centre or doctor immediately for treatment advice. Have
	person sip a glass of water if able to swallow. Do not induce vomiting unless told to
	do so by the poison control centre or doctor. Never give anything by mouth to an
	unconscious person.
4.2 Most important symptoms and el	ffects, both acute and delayed
	Aside from the information found under Description of first aid measures (above)
	and Indication of immediate medical attention and special treatment needed (below),
	no additional symptoms and effects are anticipated.
4.3 Indication of immediate medical	attention and special treatment needed
	May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants,
	antitussives and corticosteroids may be of help. Chemical eye burns may require
	extended irrigation. Obtain prompt consultation, preferably from an
	ophthalmologist. If burn is present, treat as any thermal burn, after decontamination.
	No specific antidote. Treatment of exposure should be directed at the control of
	symptoms and the clinical condition of the patient. Have the Safety Data Sheet, and
	if available, the product container or label with you when calling a poison control
	centre or doctor, or going for treatment.
	centre of doctor, of going for treatment.
5. FIRE-FIGHTING MEASURES	
5.1 Extinguishing media	To extinguish combustible residues of this product use water fog, carbon dioxide,
5.1 Extinguishing incuta	dry chemical or foam.
Unsuitable extinguishing media	Information not specified.
5.2 Special Hazards arising from the	
Hazardous Combustion Products:	
Hazardous Compustion Froducts:	During a fire, smoke may contain the original material in addition to combustion
	products of varying composition which may be toxic and/or irritating. Combustion
	products may include and are not limited to: Hydrogen chloride. Carbon monoxide.
	Carbon dioxide.
Unusual Fire and Explosion Hazar	ds: This material will not burn until the water has evaporated. Residue can burn. If
	exposed to fire from another source and water is evaporated, exposure to high
	temperatures may cause toxic fumes. Dense smoke is produced when product burns.
<b>5.3. Advice for firefighters</b>	
Fire Fighting Procedures:	Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool
	fire exposed containers and fire affected zone until fire is out and danger of
	reignition has passed. To extinguish combustible residues of this product use water
	fog, carbon dioxide, dry chemical or foam. Contain fire water run-off if possible.
	Fire water run-off, if not contained, may cause environmental damage. Review the
	"Accidental Release Measures" and the "Ecological Information" sections of this
	(M)SDS.
Special Protective Equipment for I	Firefighters:
	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective
	fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and
	gloves). Avoid contact with this material during fire fighting operations. If contact is
	likely, change to full chemical resistant fire fighting clothing with self-contained
	breathing apparatus. If this is not available, wear full chemical resistant clothing
	with self-contained breathing apparatus and fight fire from a remote location. For
	protective equipment in post-fire or non-fire clean-up situations, refer to the relevant
	sections.
6. ACCIDENTAL RELEASE MEASURES	

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

	Evacuate area. Refer to Section 7, Handling, for additional precautionary measures. Only trained and properly protected personnel must be involved in clean-up operations. Keep upwind of spill. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls
6.2 Environmental Precautions	and Personal Protection. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

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6.3 Methods and material for conta	ainment and cleaning up
	Contain spilled material if possible.
	Small spills: Absorb with materials such as: Clay. Dirt. Sand. Sweep up. Collect in
	suitable and properly labelled containers. Large spills: Contact Vitax Ltd for clean-
	up assistance. See Section 13, Disposal Considerations, for additional information.
6.4 Reference to other sections	See section 8 for personal protective equipment specification
0.4 Reference to other sections	
	See section 13 for information on disposal
7. HANDLING AND STORAGE	
7.1 Precaution for safe handling	Keep out of reach of children. Do not get in eyes. Do not swallow. Avoid breathing
7.11 Trecution for sure hunding	vapour or mist. Wash thoroughly after handling. Keep container closed. Use with
	adequate ventilation. See Section 8, EXPOSURE CONTROLS AND PERSONAL
	PROTECTION.
7.2 Conditions for sofe storage inc	
7.2 Conditions for safe storage, inc	
	Store in a dry place. Store in original container. Keep container tightly closed when
	not in use. Do not store near food, foodstuffs, drugs or potable water supplies
7.3 Specific end use(s)	Refer to product label.
8. EXPOSURE CONTROLS/PERSONAL PROTE	ECTION
8.1 Control Parameters	
Exposure Limits	None established
	RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING,
	COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS
	AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER
	PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.
8.2 Exposure controls	
Personal Protection	
Eye/Face Protection:	Use chemical goggles. Chemical goggles should be consistent with EN 166 or
·	equivalent.
Skin Protection:	Use protective clothing chemically resistant to this material. Selection of specific
	items such as face shield, boots, apron, or full body suit will depend on the task.
Hand protection:	Use chemical resistant gloves classified under Standard EN374: Protective gloves
Hand protection.	against chemicals and micro-organisms. Examples of preferred gloves barrier
	materials include: Butyl rubber. Natural rubber ("latex"). Neoprene.
	Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyethylene. Ethyl vinyl alcohol
	laminate ("EVAL"). Polyvinyl chloride ("PVC" or "vinyl"). When prolonged or
	frequently repeated contact may occur, a glove with a protection class of 5 or higher
	(breakthrough time greater than 240 minutes according to EN 374) is recommended
	When only brief contact is expected, a glove with a protection class of 3 or higher
	(breakthrough time greater than 60 minutes according to EN 374) is recommended.
	NOTICE: The selection of a specific glove for a particular application and duration
	of use in a workplace should also take into account all relevant workplace factors
	such as, but not limited to: Other chemicals which may be handled, physical
	requirements (cut/puncture protection, dexterity, thermal protection), potential body
	reactions to glove materials, as well as the instructions/specifications provided by
	the glove supplier.
<b>Respiratory Protection:</b>	Respiratory protection should be worn when there is a potential to exceed the
	exposure limit requirements or guidelines. If there are no applicable exposure limit
	requirements or guidelines, wear respiratory protection when adverse effects, such
	as respiratory irritation or discomfort have been experienced, or where indicated by
	your risk assessment process. In misty atmospheres, use an approved particulate
	respirator. Use the following CE approved air-purifying respirator: Organic vapour
<del>.</del>	cartridge with a particulate pre-filter, type AP2.
Ingestion:	Use good personal hygiene. Do not consume or store food in the work area. Wash
<b>—</b> • • <i>—</i>	hands before smoking or eating.
Engineering Controls	
Ventilation:	Use engineering controls to maintain airborne level below exposure limit
	requirements or guidelines. If there are no applicable exposure limit requirements or
	guidelines, use only with adequate ventilation. Local exhaust ventilation may be
	necessary for some operations.
	· · ·

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance		
Physical State	Liquid.	
Color	Brown	
Odour	mild phenolic	
Odour Threshold	No test data available	
рН	7.5 (@ 1 %) CIPAC MT 75 1% aqueous solution.	
Melting Point	Not applicable	
Freezing Point	No test data available	
Boiling Point (760 mmHg)	No test data available.	
Flash Point - Closed Cup 92/69/EEC	CA9 none below boiling point	
<b>Evaporation Rate</b> (Butyl Acetate =		
Flammability (solid, gas)	Not applicable to liquids	
Flammable Limits In Air Lower:	No test data available	
Upper:	No test data available	
Vapour Pressure	Not applicable	
Vapour Density (air = 1)	Not applicable	
Specific Gravity $(H2O = 1)$	1.21 24 °C/4 °C EC Method A3	
Solubility in water (by weight)	Soluble	
Autoignition Temperature	none below 400degC	
<b>Decomposition Temperature</b>	No test data available	
Dynamic Viscosity	No test data available	
Kinematic Viscosity	No test data available	
Explosive properties	No EEC A14	
Oxidizing properties	No	
9.2 Other Information		
Liquid Density	1.21 g/cm3 @ 24 °C	
<u>_</u>		
<b>10. STABILITY AND REACTIVITY</b>		
10.1 Reactivity	No dangerous reaction known under conditions of normal use.	
<b>10.2 Chemical stability</b>	Thermally stable at typical use temperatures.	
10.3 Possibility of hazardous reaction		
<b>10.4 Conditions to Avoid:</b>	Active ingredient decomposes at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems.	
10.5 Incompatible Materials:	Avoid contact with: Strong acids. Strong bases. Strong oxidizers.	
10.6 Hazardous decomposition produ		
1010 Huzur uous accomposition prou	Decomposition products depend upon temperature, air supply and the presence of	
	other materials. Decomposition products can include and are not limited to: Hydrogen chloride. Phosgene. Toxic gases are released during decomposition.	

#### **11. TOXICOLOGICAL INFORMATION**

1.1 Information on toxicological	
Ingestion	Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. As product: LD50, rat, male >2000 mg/kg
Aspiration hazard	Based on physical properties, not likely to be an aspiration hazard.
Dermal	Prolonged skin contact is unlikely to result in absorption of harmful amounts. As product: LD50, rabbit > 2,000 mg/kg
Inhalation	Mist may cause irritation of upper respiratory tract (nose and throat) and lungs. Prolonged excessive exposure to mist may cause adverse effects. As product: Th LC50 has not been determined.
Eye damage/eye irritation	As product not classified as an eye irritant. Contains components that may cause severe irritation.
Skin corrosion/irritation	Prolonged contact is essentially non-irritating to skin.
Sensitization	
Skin	Based on extrapolation from similar products will not cause allergic skin reaction when tested in guinea pigs.
Respiratory	No relevant data found.

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Repeated Dose Toxicity	For the active ingredient(s): In animals, effects have been reported on the following organs: Kidney. Liver. Blood. Bone marrow. Testes. Adrenal gland. Eye. Spleen. Thyroid.
Chronic Toxicity and Carcinogenici	ty For similar active ingredient(s). 2-methyl-4-chlorophenoxyacetic acid (MCPA).
omone roneny une curemogener	Clopyralid. Did not cause cancer in laboratory animals. Various animal cancer tests have shown no reliably positive association between 2,4-D exposure and cancer. Epidemiology studies on herbicide use have been both positive and negative with the majority being negative.
Developmental Toxicity	For similar active ingredient(s). 2-methyl-4-chlorophenoxyacetic acid (MCPA). Has caused birth defects in laboratory animals only at doses toxic to the mother. Has been toxic to the foetus in laboratory animals at doses toxic to the mother. For similar active ingredient(s). Clopyralid caused birth defects in test animals, but only at greatly exaggerated doses that were severely toxic to the mothers. No birth defects were observed in animals given clopyralid at doses several times greater than those expected during normal exposure. For similar active ingredient(s). 2,4- Dichlorophenoxyacetic acid. Has been toxic to the foetus in laboratory animals at doses toxic to the mother. For similar active ingredient(s). 2,4-Dichlorophenoxyacetic acid. Did not cause birth defects in laboratory animals.
<b>Reproductive Toxicity</b>	For similar active ingredient(s). 2,4-Dichlorophenoxyacetic acid. In laboratory animals, excessive doses toxic to the parent animals caused decreased weight and survival of offspring. For similar active ingredient(s). 2-methyl-4- chlorophenoxyacetic acid (MCPA ). Clopyralid. In animal studies, did not interfere with reproduction.
Genetic Toxicology	For the active ingredient(s): In vitro genetic toxicity studies were negative in some cases and positive in other cases. For the active ingredient(s): Animal genetic
	toxicity studies were inconclusive
Component Toxicology - MCPA DMA Inhalation	Salt Maximum attainable concentration. LC50, 4 h, Aerosol, rat, male and female > $4.72$ mg/l
Component Toxicology - 2,4-D Dimeth	
Inhalation	The LC50 has not been determined. For similar material(s): LC50, 4 h, Aerosol, rat > 1.79 mg/l
Component Toxicology - Clopyralid m	
Inhalation	As product: As product: LC50, 4 h, Mist, rat > 2.6 mg/l Maximum attainable concentration.
12. Ecological Information	Values are based on a concentrated mixture subject to dilution to 6% v/v
12.1 Ecotoxicity	By calculation the material is harmful to aquatic organisms (LC50/EC50/IC50 between 10 and 100 mg/L in the most sensitive species). Material is not toxic to birds on an acute basis (LD50 > 2000 mg/kg).
Fish Acute & Prolonged Toxicity Aquatic Invertebrate Acute Toxicity Aquatic Plant Toxicity	LC50, Oncorhynchus mykiss (rainbow trout), semi-static test, 96 h: > 100 mg/l EC50, Daphnia magna (Water flea), 48 h, mortality: >100 mg/l ErC50, Pseudokirchneriella subcapitata (green algae), biomass growth inhibition, 72 h: > 100 mg/l EC50, Lemna minor (duckweed), 14 d: 33 mg/l
Toxicity to Above Ground Organisms	oral LD50, Colinus virginianus (Bobwhite quail): >2000 mg/kg bodyweight. oral LD50, Apis mellifera (bees): > 1200 micrograms/bee contact LD50, Apis mellifera (bees): > 200 micrograms/bee
Toxicity to Soil Dwelling Organisms 12.2 Persistence and Degradability	LC50, Eisenia fetida (earthworms), 14 d: > 1,000 mg/kg
Data for Component: MCPA DMA S	alt For similar active ingredient(s). 2-methyl-4-chlorophenoxyacetic acid (MCPA). Biodegradation under aerobic laboratory conditions is below detectable limits (BOD20 or BOD28/ThOD < 2.5%). Biodegradation rate may increase in soil and/or water with acclimation.
Data for Component: salts of 2,4-D	For similar active ingredient(s). 2,4-Dichlorophenoxyacetic acid. Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.
Data for Component: Clopyralid mor	oethanolamine salt
	For similar active ingredient(s). Clopyralid. Material is expected to biodegrade only very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.
Data for Component: 4-chloro-o-cres	

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Indirect Photodegradation with OH	Radicals Rate Constant	Atmospheric Half-life	Method
	Kate Constant	32 h	-
12.3 Bioaccumulative potential			
Data for Component: MCPA DMA S			
Bioaccumulation:			rophenoxyacetic acid (MCPA).
	Bioconcentration pot	ential is low (BCF < 100 or	Log Pow $<$ 3).
Data for Component: salts of 2,4-D			
Bioaccumulation:		gredient(s). 2,4-Dichloropher	
		ential is low (BCF < 100 or	Log Pow < 3).
Data for Component: Clopyralid mo		mediant(a) Clanamalid	
Bioaccumulation:		gredient(s). Clopyralid.	Lee Derry (2)
Data fan Componenti 4 ahlana a ana		ential is low (BCF < 100 or	Log Pow < 3).
Data for Component: 4-chloro-o-cres Bioaccumulation:			100 or log Pow greater than 7).
bloaccumulation.	Bioconcentration por	ential is low (BCF less than	100 of log Fow greater than 7).
12.4 Mobility in soil			
Data for Component: MCPA DMA S	Salt		
Mobility in soil:	No relevant data four	nd.	
Data for Component: salts of 2,4-D			
Mobility in soil:	For similar active ing	gredient(s)., 2,4-Dichlorophe	enoxyacetic acid.,
	Potential for mobility	y in soil is very high (Koc be	etween 0 and 50).
Data for Component: Clopyralid mo			
Mobility in soil:		gredient(s)., Clopyralid.,	
		y in soil is very high (Koc be	etween 0 and 50).
Data for Component: 4-chloro-o-cres			
Mobility in soil:		in soil is high (Koc betwee	n 50 and 150).
Partition coefficient, soil organic ca			
Henry's Law Constant (H):	1.1E-06 atm*m3/mol	le	
12.5 Results of PBT and vPvB			
Data for Component: MCPA DMA S	Salt		
		considered to be persistent.	bioaccumulating and toxic (PBT).
			stent and very bioaccumulating
	(vPvB).	<i>7</i> 1	5 6
Data for Component: salts of 2,4-D		considered to be persistent,	bioaccumulating and toxic (PBT).
-			stent and very bioaccumulating
	(vPvB).		
Data for Component: Clopyralid mo	noethanolamine salt		
			bioaccumulating and toxic (PBT).
		considered to be very persis	stent and very bioaccumulating
	(vPvB).		
Data for Component: 4-chloro-o-cres			
This substance has not been assessed for	or persistence, bioaccur	nulation and toxicity (PBT).	
12.6 Other adverse effects			
Data for Component: MCPA DMA S	Salt		
Data for component. Wer it Diving		in Annex I of Regulation (F	EC) No 1005/2009 on substances
	that deplete the ozone		10) 110 1000, 2009 on Subsumees
Data for Component: salts of 2,4-D			EC) No 1005/2009 on substances
, i i i i i i i i i i i i i i i i i i i	that deplete the ozon		-,
Data for Component: Clopyralid mo		5	
1 10		in Annex I of Regulation (E	EC) No 1005/2009 on substances
	that deplete the ozone		
Data for Component: 4-chloro-o-cres	sol; 4-chloro-2-methy	l phenol	
-			EC) No 1005/2009 on substances
	that deplete the ozon		

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#### **13. DISPOSAL CONSIDERATIONS**

#### 13.1 Waste treatment methods European waste catalogue:

13.1 Waste treatment methods Euro	opean waste catalogue:		
	If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the materia as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the		
	waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in		
	compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.		
	P273 - Avoid release to the environment.		
	Do not discharge directly into watercourse or any other controlled watercourse. P501 - Waste disposal according to EC-regulations 2006/12/EC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.		
13.2 Uncleaned packagings: Recommendation:	Disposal according to official regulations		
14. TRANSPORT INFORMATION			
14.1 UN number:	Product is unclassified for transport		
14.2 UN proper shipping name:	Product is unclassified for transport		
14.3 Transport hazard:	Product is unclassified for transport Product is unclassified for transport		
14.4 Packing group: 14.5 Environmental hazards:	Product is unclassified for transport Product is unclassified for transport		
14.5 Special precautions for user:	Product is unclassified for transport		
	Annex II of MARPOL 73/78 and the IBC code		
	Applicable for Maritime bulk transport only. Check with carrier.		
15.2 Chemical Safety Assessment	The components of this product are on the EINECS inventory or are exempt from inventory requirements. For proper and safe use of this product, please refer to the approval conditions laid down on the product label.		
16. Other Information			
Hazard statement in the composition			
	H302 Harmful if swallowed. H312 Harmful in contact with skin.		
	H314 Causes severe skin burns and eye damage.		
	H317 May cause an allergic skin reaction.		
	H318 Causes serious eye damage.		
	H331 Toxic if inhaled.		
	H332 Harmful if inhaled.		
	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. natted in-line with regulation 453/2010 all sections affected.		
Legend: Acute Tox. 4:	Acute toxicity category 4		
Skin Irrit. 2:	Skin irritation category 2		
Eye Irrit. 2:	Eye irritation category 2		
RID:	Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)		
ICAO:	International Civil Aviation Organization		
ADR:	Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International		
	Carriage of Dangerous Goods by Road)		

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IMDG:	International Maritime Code for Dangerous Goods
lATA:	International Air Transport Association
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
PNEC:	Predicted No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
MSDS information:	This Material Safety data sheet is compiled using data submitted for raw materials
	and practical experience. This Safety Data Sheet is prepared in compliance with
	Directive 1999/45/EC, 1272/2008 and Annex I of the REACH regulation 453/2010.
	THE INFORMATION GIVEN HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT
	AND IS PRESENTED IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED IS
LD50:	Lethal dose, 50 percent This Material Safety data sheet is compiled using data submitted for raw materials and practical experience. This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC, 1272/2008 and Annex I of the REACH regulation 453/2010 THE INFORMATION GIVEN HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT

GIVEN.