


Fruitfed Chloro-IPC

Section 1: Identification

Product name:	Fruitfed Chloro-IPC
Other names:	Chlorpropham 40%EC
Recommended use:	Post-emergence herbicide for onions, pre-and post-emergence in lettuce and pre-emergence in carrots, leeks and parsnips.
Manufacturer/Importer details:	Fruitfed Supplies (part of PGG Wrightson Ltd) 1 William Pickering Drive Albany, Auckland 0632 New Zealand Phone: 09 448 0510
24 hour emergency contact:	0800 CHEMCALL (0800 243622)
National Poisons Centre:	0800 POISON (0800 764766)

Section 2: Hazard identification

	Product is classified as hazardous according to the Hazardous Substances (Classification) Notice 2017 of the HSNO Act, 1996.
HSNO Approval:	HSR007885
Hazardous classification:	3.1C, 6.1E, 6.3A, 6.4A, 6.8B, 6.9B, 9.1B, 9.2A
Pictograms:	
Signal word:	WARNING
Hazard statements:	H226 Flammable liquid and vapour. H303 May be harmful if swallowed. H313 May be harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. P333 May be harmful if inhaled. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through repeated or prolonged oral exposure. H411 Toxic to aquatic life with long lasting effects. H421 Very toxic to soil environment.
Prevention statements:	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from open flames, hot surfaces. No smoking. P233 Keep container tightly closed. P241 Use explosion-proof electrical equipment. P242 Use only non-sparking tools.

Fruitfed Chloro-IPC

Response statements:	<p>P243 Take precautionary measures against static discharge. P264 Wash hands and face thoroughly after handling. P260 Do not breathe spray mist. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective clothing, neoprene or PVC gloves and goggles.</p> <p>P370+P378 In case of fire: Use foam, dry powder or CO2 for extinction. P312 Call a POISON CENTRE or doctor if you feel unwell. P303+P361+P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. P332+P313 If skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before re-use. P304+P312 If inhaled: Call a POISON CENTRE or doctor if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P308+P313 IF exposed or concerned: Call a POISON CENTRE or doctor. P391 Collect spillage.</p>
Storage statements:	<p>P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.</p>
Disposal statement:	<p>P501 Dispose of product and containers in accordance with local Regulations. See Section 13 for details.</p>

Section 3: Composition/information on ingredients

Chemical identity of ingredients with health or environmental hazards:

<i>Ingredient</i>	<i>CAS No.</i>	<i>Proportion % w/w</i>
Chlorpropham	101-21-3	40
Xylene	1330-20-7	30 - 60
Other ingredients	Proprietary	5 -15

Section 4: First-aid measures

Ingestion:	Do NOT induce vomiting. Rinse mouth. For advice contact a POISON CENTRE or doctor immediately.
Inhalation:	Remove person to fresh air and keep at rest in a position comfortable for breathing. Call POISON CENTRE or doctor if person feels unwell.
Skin contact:	Immediately remove all contaminated clothing. Rinse skin with water then soap and water. If skin irritation occurs get medical attention. Wash contaminated clothing before reuse.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, get medical attention.

Fruitfed Chloro-IPC

First aid facilities:	Emergency showers and eyewashes to be available in the immediate vicinity of any potential exposure.
Advice to doctor:	Treat symptomatically.
Section 5: Fire-fighting measures	
Flammability:	Flammable liquid and vapours.
Appropriate extinguishing media:	Foam, dry powder or CO2. Do not use water jet.
Combustion products:	Toxic and acrid fumes.
Special protective equipment and precautions for fire-fighters:	Wear full chemical resistant protective clothing and a self-contained breathing apparatus. Keep upwind and to higher ground. Ventilate enclosed spaces before entering. Spill or leak area should be isolated immediately for at least 25m in all directions. For large spill consider initial downwind evacuation of areas within at least 300m. Prevent run-off water contaminating drains or watercourses (bund if necessary). Inform appropriate authorities immediately if product or runoff enters waterways.
HAZCHEM code:	3Y
Section 6: Accidental release measures	
Personal precautions:	Wear protective clothing (long sleeve shirt and pants, head covering), chemical resistant gloves and boots and goggles. Wear an approved pesticide respirator or air supplied respirator.
Environmental precautions:	Flammable liquid and vapours. Isolate or move sources of ignition. Contain spillage. Prevent chemical contaminating drains or watercourses by activating emergency shut-off valves or using bunding. Inform appropriate authorities immediately if spill enters waterways. Prevent chemical from contaminating soil.
Procedure for clean up:	<p>Small spill: Extinguish all ignition sources. Clear area of unnecessary personnel for at least 25m in all directions. Ventilate enclosed spaces before entering. Bund spill and absorb with inert absorbent material such as sand or clay granules. Sweep absorbent material into a clearly labelled waste container. Cover the area with water and absorb. Prevent runoff entering waterways or contaminating soil. Dispose of contaminated materials appropriately.</p> <p>Large spill: Immediately contact emergency services and evacuate the area (downwind evacuation of areas within at least 300m).</p>
Section 7: Handling and storage	
Safe handling:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use in a well-ventilated area away from sources of ignition or heat.

Fruitfed Chloro-IPC

	When mixing or applying wear protective clothing, neoprene or PVC gloves, chemical resistant boots and goggles. Avoid contact with skin and eyes, do not breathe spray mist. Wash hands and face after work and before meals. Do not eat, drink or smoke while using. Wash protective clothing before reuse.
Safe storage:	Keep out of reach of children. Store locked up in a well-ventilated place. Keep cool. Do not store near heat or naked flame. Store away from foodstuffs. Do not store with Class 1, 2, 3, 4 or 5 substances.

Section 8: Exposure controls/personal protection

Occupational exposure limits:	<table border="1"> <thead> <tr> <th><i>Ingredient</i></th> <th><i>Form of exposure</i></th> <th><i>WES-TWA</i></th> <th><i>WES-STEL</i></th> </tr> </thead> <tbody> <tr> <td>Xylene</td> <td>-</td> <td>217mg/m³</td> <td>-</td> </tr> </tbody> </table>				<i>Ingredient</i>	<i>Form of exposure</i>	<i>WES-TWA</i>	<i>WES-STEL</i>	Xylene	-	217mg/m ³	-
<i>Ingredient</i>	<i>Form of exposure</i>	<i>WES-TWA</i>	<i>WES-STEL</i>									
Xylene	-	217mg/m ³	-									
Engineering controls:	Use in well ventilated areas. Keep away from sources of ignition or heat. Use explosion proof electrical equipment. Use non-sparking tools.											
Respiratory protection:	Wear respirator fitted with filters for organic gasses and vapours and particulate filters. Where significant exposure is possible wear self-contained breathing apparatus.											
Hand protection:	PVC or neoprene chemical resistant gloves.											
Eye protection:	Chemical goggles.											
Skin protection:	Chemical resistant overalls (disposable or clean reusable), and rubber or PVC boots.											

Section 9: Physical and chemical properties

(a)	Appearance:	Pale brown liquid.
(b)	Odour:	Solvent.
(c)	Odour threshold:	No data.
(d)	pH:	7 (10% emulsion).
(e)	Melting point/freezing point:	No data.
(f)	Initial boiling point and boiling range:	No data.
(g)	Flash point:	<61°C
(h)	Flammability (solid, gas):	Not applicable.
(i)	Upper/lower flammability or explosive limits:	No data.
(j)	Vapour pressure:	No data.
(k)	Vapour density:	No data.
(l)	Relative density:	1.0 to 1.1
(m)	Solubility:	Emulsifies in water.

Fruitfed Chloro-IPC

(n)	Partition coefficient: n-octanol/water:	No data
(o)	Auto-ignition temperature:	No data
(p)	Decomposition temperature:	No data
(q)	Kinematic viscosity:	No data

Section 10: Stability and reactivity

Stability of the substance:	Stable under normal conditions of storage and use.
Conditions to avoid:	Avoid extremes of heat, sources of ignition.
Incompatible materials:	Oxidising agents, explosives and flammable materials.
Hazardous decomposition products:	Specific information not available.

Section 11: Toxicological information

	Toxicity classifications determined by assessment of the components in the formulated mixture.	
(a)	Acute toxicity:	May be harmful if ingested, in contact with skin or inhaled.
(b)	Aspiration hazard:	Not classified as aspirant hazard.
(c)	Respiratory irritation:	Not classified as a respiratory irritant.
(d)	Skin corrosion / irritation:	Skin irritant.
(e)	Serious eye damage / irritation:	Eye irritant.
(f)	Respiratory or skin sensitisation:	Not classified.
(g)	Germ cell mutagenicity:	Not classified.
(h)	Carcinogenicity:	Not a classified.
(i)	Reproductive toxicity:	Suspected of damaging fertility or the unborn child.
(j)	Specific organ toxicity:	May cause damage to target organs or systems through prolonged or repeated exposure. Chlorpropham affects blood and hematopoietic system. Xylene may affect nervous system.
(k)	Narcotic effects:	Not classified.
(l)	Other information:	No information.
	Toxicological information:	Chlorpropham - Oral LD ₅₀ (rat): 4200 mg/kg Xylene - Oral LD ₅₀ (mouse): 1590 mg/kg - Inhalation LC ₅₀ (rat): 27.6 mg/L

Section 12: Ecological information

Fruitfed Chloro-IPC

	Ecotoxicological classifications determined by assessment of the components in the formulated mixture.
(a) Aquatic toxicity:	Toxic to aquatic life with long lasting effects.
(b) Soil environment:	Very toxic in soil environment. Chlorpropham - Soil DT ₅₀ >30 days.
(c) Terrestrial vertebrate toxicity:	Not classified.
(d) Terrestrial invertebrate toxicity:	Not classified.
(e) Persistence and degradability:	Chlorpropham expected to be persistent.
(f) Potential to be bioaccumulative:	Not expected to be bioaccumulative.
(g) Mobility in soil:	Product emulsifies in water.
(h) Other information:	Not available.
Ecotoxicological information:	Chlorpropham: <i>Cyprinus carpio</i> LC ₅₀ (96 hour) 5.3 mg/L <i>Daphnia magna</i> EC ₅₀ (48 hour) 3.7 mg/L <i>Chlorococcum hypnosporum</i> EC ₅₀ (7d) 1.1 mg/L Xylene: Rainbow trout LC ₅₀ (96 hour) 3.3 mg/L <i>Palaemonetes pugio</i> EC ₅₀ (48 hour) 8.5 mg/L <i>Skeletonema costatum</i> EC ₅₀ (72 hour) 10 mg/L
Section 13: Disposal considerations	
Product disposal:	Dispose of this product only by using according to the label or through Agrecovery chemical disposal or similar approved service or at an approved landfill.
Container disposal:	Triple rinse empty container adding rinsate to the spray tank. Recycle through Agrecovery. Or, if allowed under local authority, burn if circumstances, especially wind direction permit. Otherwise crush and bury in an approved landfill. Do not use container for any other purpose.
Section 14: Transport information	
UN number:	1993
UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Contains 48% xylene)
UN class:	3
Packing group:	III
Subsidiary risk:	-
HAZCHEM:	3Y
Marine Pollutant:	Yes.
Special precautions:	Cannot be loaded in the same container or vehicle as classes 1, 2.1, 2.3, 4.2, 5.1, 5.2, 7. Segregate from classes 4.2, 4.3, 5.1, 5.2
	This product is classified as a Dangerous Good. Consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2012 Transport of Dangerous Goods on Land for more information.
Section 15: Regulatory information	

Fruitfed Chloro-IPC

HSNO:	Approved substance under the HSNO Act 1996.
Substance approval number:	HSR007885; Fruitfed-Chloro-IPC
Tolerable exposure limit / environmental exposure limit:	-
HSNO controls:	See www.epa.govt.nz
Additional controls:	Maximum application rate: 11L/ha (4.4kg a.i./ha), with a frequency of application of once per season. However, when used at the maximum rate prescribed for onions of 2L/ha (0.38kg a.i./ha) the product may be applied twice per season with a minimum interval of 14 days. This substance must not be applied onto or into water.
ACVM:	Registered under the Agricultural Compounds Veterinary Medicines Act 1997.
Registration number:	P5513
Conditions of registration:	See www.foodsafety.govt.nz
Section 16: Other information	
Date of issue:	18/03/2019
Reason for reissue:	Review SDS format and product information.
Replaces:	SDS issued 28/11/2018
Information references:	Supplier Safety Data Sheet NZ EPA Approved hazardous substances database. NZ EPA Chemical Classification and Information Database (CCID) Workplace Exposure Standards and Biological Exposure Indices 9 th Edition
Abbreviations:	ACVM: Agricultural Chemicals and Veterinary Medicines Group HSNO: Hazardous substances and New Organisms Act 1996 (HSNO Act) EPA: Environmental Protection Authority of New Zealand CAS Number: Chemical Abstracts Service Number LD50: Lethal Dose 50% (Population) LC50: Lethal Concentration 50% (Population) WES-TWA: Workplace exposure standards – Time-weighted average WES-STEL: Workplace exposure standards – Short-term exposure limit

The data provided in this safety data sheet is based on current knowledge and experience. The purpose of this document is to describe the product in terms of its safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.