江 苏 功 成 生 物 科 技 有 限 公 司
Jiangsu GongCheng Bio-Tech Co., Ltd.
ADDRESS: NO 1, Fifth Huanghai Road, Yangkou Chemical Industry Zone,
Rudong Country, Nantong City, Jiangsu Province
TeL: +86-513-84823982,84822248 Fax +86-513-84828698

Safety Data Sheet

Total -Pride ® 100 SC Insecticide as Public Health Product

Version 1 / CHIN
Revision Date: 28.10.2016
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SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product identifier
Trade name Total-pride ® 100 SC Insecticide
Relevant identified uses of the substance or mixture and uses advised against Use for controling flies as an insecticide in public area.
Details of the supplier of the safety data sheet
Supplier: Jiangsu Gongcheng Bio-tech Co.,Ltd.
Address: Fifth Road, Yangkou Chemical Industry zone, Rudong Country, Nantong City, Jiangsu, China
Telephone +86 -513-84823982
Telefax +86 -513-84828698
Responsible Department +86 -513-84822248 Technical Information Service
Emergency telephone no.
Emergency telephone no.+86 -513-84822248

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
Classification in accordance with CHINA GHS Regulation
Acute toxicity: Category 4
H302 Harmful if swallowed.
Acute aquatic toxicity: Category 1
H400 Very toxic to aquatic life.
Chronic aquatic toxicity: Category 1
H410 Very toxic to aquatic life with long lasting effects.
Label elements
Hazard label for supply/use required.
Hazardous components which must be listed on the label:
Imidacloprid
Signal word: Warning
Hazard statements
H302 Harmful if swallowed.
Precautionary statements
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell. P330 Rinse mouth.

P501 Dispose of contents/container in accordance with local regulation.

Other hazards : No other hazards known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Imidacloprid 100 g/l

Chemical nature Suspension concentrate (=flowable concentrate)(SC)

Chemical Name	CAS-No.	Concentration [%]
Imidacloprid	138261-41-3	10%
Alkylphenol ethoxylates formaldehyde condensate sulfonate	---(mixture)	5%
Methylene naphthalene sulfonate	977052-10-0	1.2%
Silicone defoamer	8050-81-5	0.5%
Xanthan Gum	11138-66-2	0.3%
Water	7732-18-5	to 100%

SECTION 4. FIRST AID MEASURES

Description of first aid measures

Inhalation: Move to fresh air. When symptoms persist or in all cases of doubt seek medical advice.

Skin contact: Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion: Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms: Dizziness, Nausea, Abdominal pain

Local: No symptoms known or expected. Systemic: Apathy, Respiratory disorder, Trembling

Indication of any immediate medical attention and special treatment needed

Risks: This product contains a nicotinoid.

Treatment:Treat symptomatically. Monitor: blood (Hb, RBC, WBC). Carefully monitor the respiratory functions. Oxygen or artificial respiration if needed. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. There is no specific antidote.

Contraindications: alcohol.

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SECTION 5. FIRE FIGHTING MEASURES

Total-pride ® 100 SC is not flammable

Extinguishing media Suitable : Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO2), Sand

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions: Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment. When dealing with a spillage do not eat, drink or smoke. Keep unauthorized people away.

Environmental precautions: Do not allow to get into surface water, drains and ground water. If the product contaminates rivers and lakes or drains inform respective authorities.

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). Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

Reference to other sections:

Information regarding safe handling, see section 7.

Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling:

Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion:

No special precautions required.

Hygiene measures :

Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt). After each day's use, wash gloves, face shield or goggles and contaminated clothing.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers :

Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Store in original container.

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Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Store in original container.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Advice on common storage: Keep away from food, drink and animal feedingstuffs.
Exposure controls
Respiratory protection Not required; except in case of aerosol formation.
Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.
Eye protection Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).

kin and body protection Wear standard coveralls and Category 3 Type 6 suit.
Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.
If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.
General protective measures In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the above mentioned recommendations would apply.

Engineering Controls
Advice on safe handling Use only in area provided with appropriate exhaust ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties
Form: suspension
Colour: white to light beige
Odour: no odour
pH: 7.0 - 8.5 at 100 % (23 °C)
Flash point: Not applicable
Density: ca. 1.0-1.08g/cm³ at 20 °C

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Water solubility: miscible

Partition coefficient: n- octanol/wate : Imidacloprid: log Pow: 0.57

Viscosity, dynamic 200 - 600 mPa×s at 23 °C Velocity gradient 7.5 /s

Surface tension48.9 mN/m

Explosivity: Not explosive 92/69/EEC, A.14 / OECD 113

Other information: Further safety related physical-chemical data are not known.

SECTION 10. STABILITY AND REACTIVITY

STABILITY : Stable under normal conditions.

CONDITIONS TO AVOID : Strong oxidizing agents. Avoid excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS:

May release irritating and toxic gases due to thermal decomposition.

HAZARDOUS POLYMERIZATION : Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity: LD50 (Rat) > 2,218 mg/kg

Acute inhalation toxicity: LC50 (Rat) > 2.238 mg/l

Exposure time: 4 h

Determined in the form of a respirable aerosol. Highest attainable concentration.

Acute dermal toxicity: LD50 (Rat) > 5,000 mg/kg

Skin irritation: No skin irritation (Rabbit)

Eye irritation: No eye irritation (Rabbit)

Sensitisation: Non-sensitizing. (Guinea pig)

OECD Test Guideline 406, Buehler test

Assessment mutagenicity:

Imidacloprid was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

Assessment carcinogenicity:

Imidacloprid was not carcinogenic in lifetime feeding studies in rats and mice.

Assessment toxicity to reproduction:

Imidacloprid caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Imidacloprid is related to parental toxicity.

Assessment developmental toxicity:

Imidacloprid caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Imidacloprid are related to maternal toxicity.

Assessment STOT Specific target organ toxicity – repeated exposure:

Imidacloprid did not cause specific target organ toxicity in experimental animal studies.

Information on likely routes of exposure

May be harmful if inhaled.
May cause skin irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
May cause eye irritation.
Harmful if swallowed.

Early onset symptoms related to exposure: Refer to Section 4
Delayed health effects from exposure: Refer to Section 11
Exposure levels and health effects: Refer to Section 4
Interactive effects: Not known
When specific chemical data is not available: Not applicable
Mixture of chemicals: Refer to Section 2.1
Further information: No further toxicological information is available.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity
Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)) > 535 mg/l
Exposure time: 96 h
LC50 (Leuciscus idus (Golden orfe)) 237 mg/l Exposure time: 96 h
The value mentioned relates to the active ingredient imidacloprid.
LC50 (Oncorhynchus mykiss (rainbow trout)) 211 mg/l Exposure time: 96 h
The value mentioned relates to the active ingredient imidacloprid.
LC50 (Cyprinus carpio (Carp)) 280 mg/l Exposure time: 96 h
The value mentioned relates to the active ingredient imidacloprid.
Toxicity to aquatic invertebrates
EC50 (Daphnia magna (Water flea)) > 535 mg/l Exposure time: 24 h

EC50 (Chironomus riparius (non-biting midge)) 0.0552 mg/l Exposure time: 24 h
The value mentioned relates to the active ingredient imidacloprid.

EC50 (Hyalella azteca (Scud)) 0.055 mg/l Exposure time: 48 h

The value mentioned relates to the active ingredient imidacloprid. EC50 (Daphnia magna (Water flea)) 85 mg/l
Exposure time: 48 h
The value mentioned relates to the active ingredient imidacloprid.

Toxicity to aquatic plants IC50 (Desmodesmus subspicatus (green algae)) > 1,000 mg/l
Growth rate; Exposure time: 72 h
EC50 (Raphidocelis subcapitata (freshwater green alga)) > 100 mg/l Exposure time: 72 h
The value mentioned relates to the active ingredient imidacloprid.

Toxicity to bacteria EC50 (activated sludge) > 10,000 mg/l
The value mentioned relates to the active ingredient imidacloprid.
Toxicity to other organisms LD50 (Coturnix japonica (Japanese quail)) 31 mg/kg
The value mentioned relates to the active ingredient imidacloprid.
LD50 (Colinus virginianus (Bobwhite quail)) 152 mg/kg
The value mentioned relates to the active ingredient imidacloprid.
(Apis mellifera (bees))
The value mentioned relates to the active ingredient imidacloprid. Toxic to bees.
Persistence and degradability Biodegradability Imidacloprid:
Not rapidly biodegradable
Koc Imidacloprid: Koc: 225
Bioaccumulative potential Bioaccumulation Imidacloprid:
Does not bioaccumulate.
Mobility in soil
Mobility in soil Imidacloprid: Moderately mobile in soils
Other adverse effects
Additional ecological information: No other effects to be mentioned.

SECTION 13. DISPOSAL CONSIDERATIONS

Metal drums and plastic containers:
Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.
Do not reuse container for any other purpose.

SECTION 14. TRANSPORT INFORMATION

ADG :
UN number 3082
Transport hazard class(es) 9
Subsidiary Risk None
Packaging group III
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(IMIDACLOPRID SOLUTION)
Hazchem Code •3Z

IMDG:
UN number 3082

Transport hazard class(es) 9
Subsidiary Risk None
Packaging group III
Marine pollutant YES
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(IMIDACLOPRID SOLUTION)

IATA:
UN number 3082
Transport hazard class(es) 9
Subsidiary Risk None
Packaging group III
Environm. Hazardous Mark YES
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(IMIDACLOPRID SOLUTION)

SECTION 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1999 China Pesticides and Veterinary Medicines Authority approval number: GB15054
SUSMP classification (Poison Schedule)
Schedule 5 (Standard for the Uniform Scheduling of Medicines and Poisons)

SECTION 16. OTHER INFORMATION

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in.

conjunction with other products.
If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.
Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Abbreviations and acronyms
ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE Acute toxicity estimate

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AU OEL Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

CAS-Nr. Chemical Abstracts Service number CEILING Ceiling Limit Value

Conc. Concentration

EC-No. European community number ECx Effective concentration to x %

EINECS European inventory of existing commercial substances ELINCSEuropean list of notified chemical substances

EN European Standard

EU European Union

IATA International Air Transport Association

IBC International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)

ICx Inhibition concentration to x %

IMDG International Maritime Dangerous Goods LCx Lethal concentration to x %

LDx Lethal dose to x %

LOEC/LOEL Lowest observed effect concentration/level

MARPOL MARPOL: International Convention for the prevention of marine pollution from ships

N.O.S. Not otherwise specified

NOEC/NOEL No observed effect concentration/level

OECD Organization for Economic Co-operation and Development

PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

RID Regulations concerning the International Carriage of Dangerous Goods by Rail SK-SEN Skin sensitiser

SKIN_DES SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure.

STEL STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.

TWA TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

TWA Time weighted average

UN United Nations

WHO World health organization