



Novagen Innovations (Pty) Ltd. t/a Agri Novagenix
Company registration number: 2020/891524/07 ; VAT: 4150295469
PO Box 1224, Isando, 1600, South Africa

SAFETY DATA SHEET THROTTLE

Reg. No. / Nr L11633 Act No. 36 of 1947 / Wet Nr 36 van 1947

Section 1. Identification of the material and the supplier

Product: **THROTTLE**
Product Use: Insecticide
Restriction of Use: Refer to Section 15

Supplier: **Novagen Innovations (Pty) Ltd T/A Agri Novagenix**
PO Box 1224
Isando, 1600
South Africa
TEL: 071 546 5077

Emergency No: POISON CENTRE (UNITAS HOSPITAL) 012 664 1100
TYGERBERG 021 931 6129
RED CROSS 021 689 5227
RAPID SPILL RESPONSE 0800 775 3305
GRIFFON POISON CENTRE 082 446 8946

Date of SDS Preparation: 20 August 2024

Section 2. Hazards Identification

Classification of the substance or mixture

Globally Harmonised System, EU (GHS) and according to regulation EC No 1272/2008 [CLP]

Acute Toxicity Oral Category 4; H302
Acute Toxicity Inhalation Category 4; H332
Skin sensitisation Category 1; H317
Short-term (Acute) Aquatic hazard Category 1; H400
Long-term (Chronic) Aquatic hazard Category 1; H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

Label elements:

Globally Harmonised System, EU (GHS) and according to regulation EC No 1272/2008 [CLP]

Pictograms



Signal Word: **WARNING**

Hazard statement(s)

H302 - Harmful if swallowed.

H317- May cause an allergic skin reaction.

H332 - Harmful if inhaled.

H410 – Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

General:

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read carefully and follow all instructions.

Prevention:

P261 - Avoid breathing dust/fumes/gas/mist/vapours/spray.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P271 – Use only outdoors or in a well-ventilated area.

P272 – Contaminated work clothing should not be allowed out of the workplace.

P273 – Avoid release to the environment.

P280 – Wear protective gloves.

Response:

P301 + P317 - IF SWALLOWED: Get medical help.

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P321 - Specific treatment (see First Aid Measures on this SDS).

P330 - Rinse mouth.

P333 + P317 - If skin irritation or a rash occurs: Get medical help.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

P391 - Collect spillage.

Storage:

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Disposal:

P501 - Dispose of contents/container in accordance with national regulations.

Supplemental Hazard Statements: none

2.3 Other

Other hazards

No other hazards known

Section 3. Composition / Information on Hazardous Ingredients

Suspension concentrate
Chlorfenapyr 360 g/L

Globally Harmonised System, EU (GHS) and according to regulation EC No 1272/2008 [CLP]

Ingredients	Concentration of hazardous ingredient	CAS NUMBER	Classification
Chlorfenapyr	36%	122453-73-0	Acute Tox. Oral Cat. 3; H301 Acute Tox. Inhalation Cat. 4; H332 Short-term (Acute) Aquatic hazard Category 1; H400 M factor: 100 Long-term (Chronic) Aquatic hazard Category 1; H410 M factor: 100
Ethylene glycol	>1-<10%	107-21-1	Acute Tox. Oral Cat. 4; H302
Sodium alkyl naphthalenesulfonate, formaldehyde condensate blend	>1-<10%	N/A	Eye Irrit. Cat. 2B; H320
Sodium alkyl naphthalene sulfate blend	>1-<10%	N/A	Skin sens. Cat. 1; H317 STOT-SE Cat. 3 resp.; H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4. First Aid Measures

Provide medical personnel with the container label, product name or safety data sheet (SDS) when seeking medical attention. Remove patient from exposed area. Never give fluids or induce vomiting if the patient is unconscious or is having convulsions. Consult a physician. First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

Routes of Exposure:

If in Eyes Flush eyes immediately with plenty of clean, room temperature water for at least 15 minutes holding eyelids open. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eyes. Seek medical attention if pain or redness persists. Seek medical attention immediately.

If on Skin Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash thoroughly with soap and water (including hair, skin, and fingernails) for at least 15-20 minutes. Wash contaminated clothing before re-use. If symptoms persist, seek medical

assistance. Persons providing first aid must wear gloves to avoid self-contamination. Do not rub skin.

If Swallowed

Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting unless instructed to do so by a poison control centre or medical doctor. Prevent aspiration if vomiting occurs. Never induce vomiting or give anything by mouth to a victim who is unconscious or is having convulsions. For advice, contact the National Poisons Centre. Remove the patient from the source of poisoning to a well-ventilated area and keep him/her calm and at rest. Avoid contact with the skin, eyes, and clothing. Remove contaminated clothing. If difficulties occur, obtain medical attention. Show container, label and/or safety data sheet to physician. Keep airway open to maintain breathing, especially if person is unconscious or has vomited. Do not apply direct mouth-to-mouth respiration.

If Inhaled

Remove patient to fresh air. Lie patient down and keep warm and at rest. Keep patient calm. Monitor for respiratory distress. If breathing is irregular or stopped, ensure airway is clear and apply artificial respiration and oxygen. If mouth to mouth resuscitation is given use rescuer protection (pocket mask etc.). Keep the patient warm and at rest. Seek medical attention if irritation persists.

Most important symptoms and effects, both acute and delayed

Symptoms: No known symptoms.

Treatment:

No specific antidote known. Treat symptomatically and supportively. Treatment based on the judgement of the physician in response to the symptoms of the patient.

Section 5. Fire Fighting Measures

Hazards from products	None known.
Suitable Extinguishing media	Suitable extinguishing media: Fine water spray, foam, carbon dioxide, dry chemical powder. Unsuitable extinguishing media: Do not use a water jet due to contamination/spreading fog. Special hazards arising from the substance or mixture: During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.
Recommended protective clothing & Precautions for firefighters	Wear SCBA and chemical-protective clothing which includes fire-fighting helmet, coat, trousers, boots, and gloves. Self-contained breathing apparatus is required. During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Remove spectators from surrounding area and isolate the fire area. Use a recommended extinguishing agent for the type of surrounding fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Do not allow extinguishing medium to contact container contents. Remove undamaged containers from fire area if it is safe to do so. Keep upwind and away from low areas where the fumes can

	accumulate. Eliminate ignition sources. Avoid inhaling hazardous vapours and fumes from burning materials. Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal. Do not scatter the material. Dispose of extinguishing agent and spillage in a safe way at a later stage. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. Contain run-off water with, for example, temporary earth barriers. Additional provisions: Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. In the event of a fire, wear full protective clothing and self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode. Personal protective equipment: Wear appropriate safety clothing and eye/face protection. Do not inhale vapour or spray. Avoid contact with spilled product or contaminated surfaces. Avoid contact with skin and eyes. Avoid inhalation of the spray or fumes. For personal protection see Section 8.
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Section 6. Accidental Release Measures

Personal precautions:

Isolate area. Use personal protective clothing. Keep unnecessary and unprotected personnel from entering the area. Wear appropriate safety clothing and eye/face protection. Do not inhale vapour or spray. Avoid contact with spilled product or contaminated surfaces. Avoid contact with skin and eyes. Avoid inhalation of the spray or fumes. Ventilate area of spill or leak, especially in contained areas. For personal protection see Section 8.

Environmental precautions:

In accordance with local and national regulations. Do not contaminate water, food, or feed by disposal. Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Contain spillage, Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Spilled product cannot be re-used and must be disposed of by incineration or disposal in a chemical waste disposal facility. If containers cannot be recycled, they should be disposed of together with the waste chemical. Considered a marine pollutant. Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal. Retain and dispose of contaminated wash water.

Spill and Disposal procedures:

Cleaning procedure:

Do not touch any spilled material. Do not eat, drink or smoke during the clean-up process. Clear area of unprotected personnel and ensure adequate ventilation. Eliminate all sources of ignition. Ground and bond all containers and handling equipment. Control the spill at its source. Contain the spill to prevent

from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately.

Small spills: Absorb with inert materials such as clay, dirt, sand or other non-reactive absorbent materials. Remove by scoop or vacuum. Use an approved industrial vacuum cleaner for removal and place into suitable, clean, dry, properly labelled, and sealable waste containers.

Large spills: Contact the emergency contact number for clean-up assistance. Collect in suitable, labelled and sealable containers for later disposal according to regulations. Dispose of absorbed materials according to local regulations. Collect waste into suitable containers, which can be labelled and sealed. Clean contaminated floors and objects thoroughly with water and a detergent, while observing environmental regulations. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, Recovered material should be stored in a vented container. The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to over pressurization of the container. Keep in suitable, closed containers for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). See Section 13, Disposal Considerations, for additional information.

Decontaminate the spill area, tools, and equipment with a suitable solution (such as organic solvent, detergent bleach, or caustic). Add the solution to the drums already collected. Label the drums appropriately and dispose in a safe and approved manner in accordance with local regulations. Open burning or dumping or dumping of this material is prohibited.

Waste Disposal: In accordance with local and national regulations. Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Dispose of properly. Clean up affected area.

Container Disposal: Refer to the product label for instructions. Emptied containers retain vapour and product residues, therefore observe all labelled safeguards until the container is destroyed. Combustible containers should be disposed of in pesticide incinerators. Non-combustible containers must first be triple-rinsed with water, then punctured and transported to a scrap metal facility for recycling or disposal. If the container is to be refilled, do not rinse with any material, or introduce any pesticide other than this product.

DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE. Do not transport if this container is damaged or leaking.

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
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Precautions for Handling:

KEEP OUT OF REACH OF CHILDREN and animals. Do not smoke near handling and storage area. Avoid breathing vapour or mist. Use only in an area provided with appropriate exhaust ventilation. Keep away from food, feed and eating utensils. Avoid contact with eyes, skin and clothing. Do not swallow. Keep the container closed. Use with adequate ventilation. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. After work, rinse gloves and remove protective equipment. Wash hands thoroughly with soap and water after handling,

and before eating, tobacco use, drinking, or using the toilet. Wash contaminated clothing before re-use and separate from household laundry.

APPROVED HANDLER: This product must be under the control of an approved handler when applied in a wide dispersive manner; or used by a commercial contractor. Use with adequate ventilation. Remove clothes immediately if the pesticide gets inside. Then wash the affected area thoroughly with water and a non-abrasive soap and put on clean clothing. Do not apply directly to areas where surface water is present, or to intertidal areas below the mean high water mark. Water that is used to clean equipment must be disposed of correctly in order to avoid contamination.

Precautions for Storage:

Store under lock and key in the original container in a cool, dry place out of direct sunlight. Do not store near sources of heat. Store away from food, feed, fertilizer, and seed. **KEEP OUT OF SIGHT AND REACH OF CHILDREN**, uninformed persons, untrained personnel, unauthorised personnel and animals. Do not allow access to this product by children, uninformed persons, untrained personnel, unauthorised personnel, or animals under any circumstances.

Chlorfenapyr becomes unstable upon prolonged storage above 37 °C and is rapidly decomposed by ultra violet light. Not to be stored close to foodstuffs, animal feeds and water supplies. Local regulations should be complied with.

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in properly labelled containers. Store in accordance with the particular national regulations.

Packaging material: Fluorinated plastic containers

Specific end use(s): Use only according to the label.

Section 8 Exposure Controls / Personal Protection

Occupational exposure limits:

Component	Value type (Form of exposure)	Control parameters /permissible concentration	Basis
Ethylene glycol (vapour)	8 hr TWA	52 mg/m ³ (20 ppm)	Safe Work Australia Workplace Exposure Standards for Airborne Contaminants
Ethylene glycol (vapour)	15 min STEL	104 mg/m ³	Safe Work Australia Workplace Exposure Standards for Airborne Contaminants
Ethylene glycol (particulate)	SK 8hr TWA	10 mg/m ³	Safe Work Australia Workplace Exposure Standards for Airborne Contaminants
Preparation of Sulfonated aromatic polymer, sodium salt, sodium sulfate and water	Dust: Exposure limit 8hours	4mg/m ³	OEL

Engineering Controls / Industrial Hygiene

Comply with occupational safety, environmental, fire and other applicable regulations.

It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Personal Protection Equipment

Eyes	The use of safety goggles with side shields is recommended when the respirator does not provide eye protection.
Hands	Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance .
Skin	Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.
Respiratory	Wear an approved respirator for protection from mists of pesticides if ventilation is inadequate. The limitations of the respirator use as specified by the approving agency and the manufacturer must be observed. For maximum protection, wear a supplied air, full-face respirator. Air-lined hood, or full-face self-contained breathing apparatus.
General	Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use. Wash hands and face before breaks and after work. Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating. When prolonged or frequently repeated contact could occur, 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. Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Off-white
Odour	Characteristic
Odour Threshold	No data available
pH	5-8
Boiling/Melting Point	No data available
Freezing Point	No data available
Flash Point	Does not flash
Flammability	GHS: Not classified.
Upper and Lower Explosive Limits	No data available
Vapour Pressure	No data available
Relative Vapour Density	No data available
Relative Density	1.00 – 1.10
Water Solubility	Suspends in water
Partition Coefficient:	Formulated product: No data available Log Kow (Log Pow): Chlorfenapyr: 4.83

Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	Dynamic viscosity: No data available Kinematic viscosity: No data available.
Particle Characteristics	No data available
Surface tension	No data available

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions. Stable for 24 months. Avoid exposure to elevated temperatures. Do not store below 12 °C or above 37 °C. Does not polymerize.
Possibility of hazardous reactions	None known when stored and handled as prescribed.
Conditions to Avoid	Keep the product in a cool, dry place, at below 37 °C. Protect from sunlight, open flame, and sources of heat.
Incompatible Materials	Store only in the original container.
Hazardous Decomposition Products	No decomposition products expected under normal conditions of use.

Section 11 Toxicological Information

Acute Effects:

Oral	GHS: Category 4
Dermal	GHS: Not classified.
Inhalation	GHS: Category 4
Eye	GHS: Not classified.
Skin	GHS: Skin sensitisation Category 1

Chronic Effects:

Carcinogenicity	GHS: Not classified.
Reproductive Toxicity	GHS: Not classified.
Germ Cell Mutagenicity	GHS: Not classified.
Aspiration	GHS: Not classified.
STOT/SE	GHS: Not classified.
STOT/RE	GHS: Not classified.

Section 12. Ecotoxicological Information

Ecological effects information	Fish: No data available for the formulated product. Daphnia: No data available for the formulated product. Algae: No data available for the formulated product. Aquatic GHS classification based on calculation: Short-term (Acute) Aquatic hazard Category 1 Long-term (Chronic) Aquatic hazard Category 1
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	Birds: No data available for the formulated product. Bees: No data available for the formulated product. Earth worms: No data available for the formulated product.
Persistence and degradability	Information based on Chlorfenapyr active: BCFs of 83-114 in bluegill sunfish suggest the potential for bioconcentration in aquatic organisms is moderate to high. 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. Biodegradability Hydrolysis of chlorfenapyr is not expected to be environmentally relevant given a half-life of >30 days.
Bioaccumulation	Chlorfenapyr: BCFs of 83-114 in bluegill sunfish suggest the potential for bioconcentration in aquatic organisms is moderate to high.
Mobility in Soil	Chlorfenapyr: The K_{oc} of chlorfenapyr is estimated as 10,000(SRC), using a $\log K_{ow}$ of 4.83(1) and a regression-derived equation. According to a classification scheme, this estimated K_{oc} value suggests that chlorfenapyr is expected to be immobile in soil.
Other adverse effects	This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB). This substance / mixture contains no ingredients that are on the Montreal Protocol list of substances that deplete the ozone layer.
Precautions:	Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:

In accordance with local and national regulations. 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 material 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. This product and its container must be disposed of by a waste treatment facility authorised to destroy waste in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and the relevant waste management regulations. Do not dispose into, or allow contact with, municipal sewerage systems or open water bodies. Do not bury.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible. If containers cannot be recycled, they should be disposed of together with the waste chemical. Do not reuse empty containers. Empty containers retain product residue. Triple rinse, or equivalent, empty container, return rinse water to

dilution mixture, and dispose of dilution mixture as a hazardous waste if it cannot be disposed of by use according to label instructions. Consult provincial environment department for advice on waste disposal. Industrial/commercial waste may be handled at licensed facilities only. Waste shipments must be securely packaged and properly labelled. Only licensed carriers may be used for transport. If recycling, close container and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and take to a waste treatment facility authorised to destroy waste in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and the relevant waste management regulations for disposal.

Special precautions during disposal:

Waste resulting from the use of this product cannot be reused or reprocessed. Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Triple rinse containers, add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and take to a waste treatment facility authorised to destroy waste in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and the relevant waste management regulations for disposal. If on-site container disposal is necessary, triple rinse empty container with water, add rinsate to the spray tank. Puncture top, sides and bottom, crush, and store appropriately until it can be taken to a waste treatment facility authorised to destroy waste in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and the relevant waste management regulations for disposal. Empty containers and product should not be burnt.

Section 14 Transport Information

Rail/road (RID/ADR):

Proper shipping name	PESTICIDE LIQUID, TOXIC, N.O.S. (Environmentally Hazardous Substance, N.O.S. (Chlorfenapyr 360 g/L)
UN number	2902
Class	6.1
Packing group	III
Environm. Haz. Mark	Yes

Sea (IMDG code):

Proper shipping name	PESTICIDE LIQUID, TOXIC, N.O.S. (Environmentally Hazardous Substance, N.O.S. (Chlorfenapyr 360 g/L)
UN number	2902
Class	6.1
Packing group	III
Marine pollutant	Yes
Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC code	Consult IMO regulations before transporting ocean bulk.

Air (ICAO/IATA):

Proper shipping name	PESTICIDE LIQUID, TOXIC, N.O.S. (Environmentally Hazardous Substance, N.O.S. (Chlorfenapyr 360 g/L)
UN number	2902
Class	6.1
Packing group	III
Environm. Haz. Mark	Yes

Section 15	Regulatory Information
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Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Section 16	Other Information
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Full text of H-Statements referred to under sections 2 and 3.

H301- Toxic if swallowed.
H302 - Harmful if swallowed.
H317 - May cause an allergic skin reaction.
H320 - Causes eye irritation.
H332 - Harmful if inhaled.
H335 - May cause respiratory irritation.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS-Nr. Chemical Abstracts Service number
CLP Classification, Labelling and Packaging
EU European Union
GHS Globally Harmonized System
IATA International Air Transport Association
IBC International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
MARPOL: International Convention for the prevention of marine pollution from ships
OEL: Occupational Exposure Limit
PBT Persistence, Bioaccumulation and Toxic
vPvB Very persistent and very bioaccumulative
RID Regulations concerning the International Carriage of Dangerous Goods by Rail
SK 8hr TWA Skin 8-hour Time weighted average
STEL Short term exposure limit
STOT SE Specific target organ toxicity single exposure.
STOT RE Specific target organ toxicity repeated exposure.
TWA Time weighted average
UN United Nations

For proper and safe use of this product, please refer to the approval conditions laid down on the product label. The data contained in this safety data sheet is based on our current knowledge and describes the product only with regard to safety requirements. The data does not describe the products properties. Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any existing laws and legislation are observed.

The information herein is given in good faith, but no warranty, express or implied is made.
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