SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier
Trade name TRUVIST® HERBICIDE
Product code (UVP) 84119490
SDS Number 102000030334
PCP Registration No. 30920

Relevant identified uses of the substance or mixture and uses advised against
Use Herbicide
Restrictions on use See product label for restrictions.

Information on supplier
Supplier Bayer CropScience Inc
#200, 160 Quarry Park Blvd, SE
Calgary, Alberta T2C 3G3
Canada
Responsible Department Email: SDSINFO.BCS-NA@bayer.com
Emergency telephone no. Emergency Telephone
Number (24hr/ 7 days) 1-800-334-7577
Product Information Telephone Number 1-888-283-6847

SECTION 2: HAZARDS IDENTIFICATION

Classified in accordance with Part 2 of the Hazardous Products Regulations
This material is not hazardous under the criteria of Part 2 of the Hazardous Products Regulation.

Hazards Not Otherwise Classified (HNOC)
No physical hazards not otherwise classified.
No health hazards not otherwise classified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Component Name</th>
<th>CAS-No.</th>
<th>Concentration % by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminocyclopyrachlor</td>
<td>858956-08-8</td>
<td>39.5</td>
</tr>
<tr>
<td>chlorsulfuron</td>
<td>64902-72-3</td>
<td>15.8</td>
</tr>
</tbody>
</table>
SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice
When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

Inhalation
Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.

Skin contact
Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.

Eye contact
Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.

Ingestion
Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

Most important symptoms and effects, both acute and delayed

Symptoms
No symptoms known or expected.

Indication of any immediate medical attention and special treatment needed

Treatment
Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable
Water spray, Foam, Dry chemical, Carbon dioxide (CO2)

Unsuitable
None known.

Special hazards arising from the substance or mixture
Dangerous gases are evolved in the event of a fire.

Advice for firefighters

Special protective equipment for firefighters
Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

Further information
Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Flash point
Not applicable
SAFETY DATA SHEET

TRUVIST® HERBICIDE

Version 1.0 / CDN
102000030334

Auto-ignition temperature  No data available
Lower explosion limit  Not applicable
Upper explosion limit  Not applicable
Explosivity  Not explosive

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Precautions  Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.
Methods and materials for containment and cleaning up
Methods for cleaning up  Avoid dust formation. Use approved industrial vacuum cleaner for removal. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.
Additional advice  Do not allow to enter soil, waterways or waste water canal.
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  Handle and open container in a manner as to prevent spillage. Avoid dust formation. Use only in area provided with appropriate exhaust ventilation.
Advice on protection against fire and explosion  Keep away from heat and sources of ignition.
Hygiene measures  Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

Conditions for safe storage, including any incompatibilities
Requirements for storage areas and containers

Store in original container. Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed.

SECTION 8: EXPOSURE CONTROLS/PERSO NAL PROTECTION

Control parameters
No control parameters known.

Exposure controls

Personal protective equipment
In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection
When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

Hand protection
Chemical resistant nitrile rubber gloves

Eye protection
Safety glasses with side-shields

Skin and body protection
Wear long-sleeved shirt and long pants and shoes plus socks.

General protective measures
Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
light tan

Physical State
granular

Odor
slight

Odour Threshold
No data available

pH
5.6

Vapor Pressure
No data available

Vapor Density (Air = 1)
No data available

Bulk density
0.68 - 0.78 g/ml (bulk density tapped)

Evaporation rate
Not applicable

Boiling Point
Not applicable

Melting / Freezing Point
Not applicable

Water solubility
dispersible
Minimum Ignition Energy  No data available
Decomposition temperature  No data available
Partition coefficient: n-octanol/water  No data available
Viscosity  Not applicable
Flash point  Not applicable
Auto-ignition temperature  No data available
Lower explosion limit  Not applicable
Upper explosion limit  Not applicable
Explosivity  Not explosive
Dust explosion class  No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity
Thermal decomposition  No data available
Chemical stability  Stable under normal conditions.
Possibility of hazardous reactions  No dangerous reaction known under conditions of normal use.
Conditions to avoid  No data available
Incompatible materials  No data available
Hazardous decomposition products  No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes  Eye contact, Skin contact, Inhalation, Ingestion
Immediate Effects
Eye  Moderate eye irritation.
Ingestion  Harmful if swallowed.
Information on toxicological effects
Acute oral toxicity  LD50 (female Rat) > 5,000 mg/kg
Acute inhalation toxicity
LC50 (male/female combined Rat) > 5.11 mg/l
Exposure time: 4 h

Acute dermal toxicity
LD50 (male/female combined Rat) > 5,000 mg/kg

Skin irritation
slight irritation (Rabbit)

Eye irritation
Moderate eye irritation. (Rabbit)

Sensitisation
Non-sensitizing. (Mouse)

ACGIH
None.

NTP
None.

IARC
None.

OSHA
None.

Further information
Only acute toxicity studies have been performed on the formulated product.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish
LC50 (Oncorhynchus mykiss (rainbow trout)) > 122 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient aminocyclopyrachlor.

LC50 (Lepomis macrochirus (Bluegill sunfish)) > 120 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient aminocyclopyrachlor.

LC50 (Oncorhynchus mykiss (rainbow trout)) > 122 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient chlorsulfuron.

LC50 (Lepomis macrochirus (Bluegill sunfish)) > 128 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient chlorsulfuron.

Toxicity to aquatic invertebrates
EC50 (Daphnia magna (Water flea)) 43 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient aminocyclopyrachlor.

EC50 (Daphnia magna (Water flea)) > 112 mg/l
Exposure time: 48 h
The value mentioned relates to the active ingredient chlorsulfuron.

Toxicity to aquatic plants
EC50 (Raphidocelis subcapitata (freshwater green algae)) > 122 mg/l
Exposure time: 72 h
The value mentioned relates to the active ingredient aminocyclopyrachlor.

EC50 (Anabaena flos-aquae (cyanobacterium)) 7.4 mg/l
Exposure time: 72 h
The value mentioned relates to the active ingredient aminocyclopyrachlor.

Environmental precautions
Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.
Do not allow to get into surface water, drains and ground water.
Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.
Apply this product as specified on the label.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
Product
Do not contaminate water, food, or feed by disposal.
Dispose in accordance with all local, state/provincial and federal regulations.
Follow container label instructions for disposal of wastes generated during use in compliance with the product label.

Contaminated packaging
Do not re-use empty containers.
Triple rinse containers.
Completely empty container into application equipment, then dispose of empty container in a sanitary landfill, by incineration or by other procedures approved by state/provincial and local authorities.
If burned, stay out of smoke.
Follow advice on product label and/or leaflet.

SECTION 14: TRANSPORT INFORMATION

TDG
UN number 3077
Labels 9
Packaging group III
Marine pollutant Marine pollutant
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CHLORSULFURON)

49CFR
Not dangerous goods / not hazardous material
IMDG
UN number 3077
Class 9
Packaging group III
Marine pollutant YES
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CHLORSULFURON MIXTURE)

IATA
UN number 3077
Class 9
Packaging group III
Environn. Hazardous Mark YES
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CHLORSULFURON MIXTURE)

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

Further Information Exempt from regulation when transported by road or rail, in accordance with TDG Regulations 1.45.1. This exemption provides that this product does not require dangerous goods shipping documentation or safety marks when transported on land by road or rail.

SECTION 15: REGULATORY INFORMATION
PCP Registration No. 30920
US Federal Regulations
TSCA list None.
US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D) None.
SARA Title III - Section 302 - Notification and Information None.
SARA Title III - Section 313 - Toxic Chemical Release Reporting chlorsulfuron 64902-72-3 25,000lbs
US States Regulatory Reporting
CA Prop65 This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.
SAFETY DATA SHEET

TRUVIST® HERBICIDE

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102000030334

Revision Date: 02/22/2016
Print Date: 02/23/2016

US State Right-To-Know Ingredients
chlorosulfuron 64902-72-3 NJ, RI

Canadian Regulations
Canadian Domestic Substance List
None.

Environmental
CERCLA
None.
Clean Water Section 307 Priority Pollutants
None.
Safe Drinking Water Act Maximum Contaminant Levels
None.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms
49CFR Code of Federal Regulations, Title 49
ACGIH US. ACGIH Threshold Limit Values
CAS-Nr. Chemical Abstracts Service number
EINECS European inventory of existing commercial substances
ELINCS European list of notified chemical substances
IARC US. IARC Monographs on Occupational Exposures to Chemical Agents
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods
N.O.S. Not otherwise specified
NTP US. National Toxicology Program (NTP) Report on Carcinogens
OECD Organization for Economic Co-operation and Development
TDG Transportation of Dangerous Goods
TWA Time weighted average
UN United Nations
WHO World health organisation

NFPA 704 (National Fire Protection Association):
Health - 1 Flammability - 1 Instability - 0 Others - none

Health - 1 Flammability - 1 Physical Hazard - 0 PPE -
0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason for Revision: New Safety Data Sheet.

Prepared by the HSE Department of Bayer CropScience Inc. (306)-721-0310.

Revision Date: 02/22/2016

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