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

Product identifier
Trade name TELAR® XP
Product code (UVP) 85835149
SDS Number 102000035078
EPA Registration No. 432-1561

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 Environmental Science
2 T.W. Alexander Drive
Research Triangle PK, NC 27709
USA
Responsible Department Email: SDSINFO.BCS-NA@bayer.com
Emergency telephone no. 1-800-334-7577
Emergency Telephone Number (24hr/ 7 days) 1-800-331-2867
Product Information Telephone Number

SECTION 2: HAZARDS IDENTIFICATION

Classification in accordance with regulation HCS 29CFR §1910.1200
This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

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>chlorsulfuron</td>
<td>64902-72-3</td>
<td>75.0</td>
</tr>
<tr>
<td>Lignosulfonic acid, sodium salt, sulfomethylated</td>
<td>68512-34-5</td>
<td>6.0</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  To date no symptoms are known.

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  Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable  High volume water jet

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. Whenever possible, contain fire-fighting water by diking area with sand or earth.

Flash point

Not applicable

Auto-ignition temperature

No data available

Lower explosion limit

Not applicable

Upper explosion limit

Not applicable

Explosivity

No data available

Dust explosion class

No data available

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

Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations. Contaminated soil may have to be removed and disposed.

Additional advice

Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal. Do not allow product to contact non-target plants.

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

Ensure adequate ventilation. Handle and open container in a manner as to prevent spillage.

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. 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 a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
No known occupational limit values.

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 to brown

Physical State
small rod

Odor
mild

Odour Threshold
No data available

pH
5 - 7 (1 %) (23 °C) (deionized water)

Vapor Pressure
No data available

Vapor Density (Air = 1)
No data available

Bulk density
0.50 - 0.70 g/ml (loose)

Evaporation rate
Not applicable

Boiling Point
Not applicable
SAFETY DATA SHEET

TELAR® XP
Version 2.0 / USA
102000035078

Revision Date: 03/20/2019
Print Date: 03/21/2019

Melting / Freezing Point  Not applicable
Water solubility  dispersible
Minimum Ignition Energy  Not applicable
Decomposition temperature  No data available
Partition coefficient: n-octanol/water  Not applicable
Viscosity  Not applicable
Flash point  Not applicable
Auto-ignition temperature  No data available
Lower explosion limit  Not applicable
Upper explosion limit  Not applicable
Explosivity  No data available
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 hazardous reactions when stored and handled according to prescribed instructions.
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  Ingestion, Eye contact, Skin contact, Inhalation
Immediate Effects
Eye  May cause slight irritation.
Skin  May cause slight irritation.
Ingestion  Harmful if swallowed.

Information on toxicological effects
Acute oral toxicity  
LD50 (Rat) 4,286 mg/kg

Acute inhalation toxicity  
No data available

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

Skin corrosion/irritation  
slight irritation (Rabbit)

Serious eye damage/eye irritation  
slight irritation (Rabbit)

Respiratory or skin sensitisation  
Skin: Non-sensitizing. (Guinea pig)

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 chlorsulfuron.

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

LC50 (Mysidopsis bahia (mysid shrimp)) 89 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient chlorsulfuron.

Toxicity to aquatic plants  
ErC50 (Raphidocelis subcapitata (freshwater green alga)) > 0.24 mg/l  
Exposure time: 72 h

EbC50 (Raphidocelis subcapitata (freshwater green alga)) 0.088 mg/l  
Exposure time: 72 h

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 contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

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 advice on product label and/or leaflet.

Contaminated packaging
Consult state and local regulations regarding the proper disposal of container. Follow advice on product label and/or leaflet.

RCRA Information
Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user’s responsibility. RCRA classification may apply.

SECTION 14: TRANSPORT INFORMATION

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
Environm. 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.
SECTION 15: REGULATORY INFORMATION

EPA Registration No. 432-1561
US Federal Regulations
TSCA list
Lignosulfonic acid, sodium salt, 68512-34-5
sulfomethylated
Sodium lignosulphonate 8061-51-6
Sucrose 57-50-1
US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)
Not applicable.
SARA Title III - Section 302 - Notification and Information
None.
SARA Title III - Section 313 - Toxic Chemical Release Reporting
chlorsulfuron 64902-72-3 25000lbs
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.

US State Right-To-Know Ingredients
chlorsulfuron 64902-72-3 NJ
Sucrose 57-50-1 MN, RI

EPA/FIFRA Information:
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

Signal word: Caution!
Hazard statements: Harmful if swallowed.
Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms
49CFR Code of Federal Regulations, Title 49
ACGIH US. ACGIH Threshold Limit Values
ATE Acute toxicity estimate
CAS-Nr. Chemical Abstracts Service number
CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
EINECS European inventory of existing commercial substances
ELINCS European list of notified chemical substances
IARC International Agency for Research on Cancer
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):**

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
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<tbody>
<tr>
<td>Health</td>
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</tr>
<tr>
<td>Flammability</td>
<td>1</td>
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<tr>
<td>Instability</td>
<td>0</td>
</tr>
<tr>
<td>Others</td>
<td>- none</td>
</tr>
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</table>


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<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>PPE</td>
<td>-</td>
</tr>
</tbody>
</table>

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

**Reason for Revision:** The following sections have been revised: Section 14: Transport Information.

**Revision Date:** 03/20/2019

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