

## BASAGRAN® HERBICIDE

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 11/04/2015 Version: 1.0

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product form : Mixture  
Product name : BASAGRAN® HERBICIDE  
Other means of identification : EPA Reg. No. 66330-413-1381

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Herbicide.

##### 1.3. Details of the supplier of the safety data sheet

Winfield Solutions, LLC  
P.O. Box 64589  
St. Paul, MN 55164-0589

##### 1.4. Emergency telephone number

Emergency number : Spill Calls (CHEMTREC): 1-800-424-9300

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### GHS-US classification

Acute Tox. 4 (Oral) H302  
Eye Irrit. 2B H320  
Skin Sens. 1 H317

Full text of H-statements: see section 16

##### 2.2. Label elements

###### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H302 - Harmful if swallowed  
H317 - May cause an allergic skin reaction  
H320 - Causes eye irritation

Precautionary statements (GHS-US) :

P261 - Avoid breathing mist, vapours  
P264 - Wash hands thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P272 - Contaminated work clothing must not be allowed out of the workplace  
P280 - Wear eye protection, protective gloves, protective clothing  
P301+P312 - If swallowed: Call a doctor, a POISON CENTER if you feel unwell  
P302+P352 - If on skin: Wash with plenty of water  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P321 - Specific treatment (see First aid measures on this label)  
P330 - Rinse mouth  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P501 - Dispose of contents/container to an authorised waste collection point

##### 2.3. Other hazards

No additional information available

##### 2.4. Unknown acute toxicity (GHS-US)

2 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
2 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
2 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Exact concentrations withheld as trade secret.

| Name            | Product identifier  | %       | GHS-US classification   |
|-----------------|---------------------|---------|---|
| sodium bentazon | (CAS No) 50723-80-3 | 40 – 50 | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2B, H320<br>Skin Sens. 1B, H317 |

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If medical advice is needed, have   |
| First-aid measures after inhalation   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing.   |
| First-aid measures after skin contact | : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.      |
| First-aid measures after eye contact  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                   |
| First-aid measures after ingestion    | : Rinse mouth. Sip water. Do NOT induce vomiting unless directed to do so by medical personnel. Call a poison center or a doctor if you feel unwell. |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                      |  |
|--------------------------------------|--|
| Symptoms/injuries after skin contact | : May cause an allergic skin reaction.   |
| Symptoms/injuries after eye contact  | : Causes eye irritation.   |
| Symptoms/injuries after ingestion    | : Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed. |

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Unsuitable extinguishing media : None known.

#### 5.2. Special hazards arising from the substance or mixture

|             |  |
|-------------|--|
| Fire hazard | : Burning produces irritating, toxic and noxious fumes.                              |
| Reactivity  | : The product is non-reactive under normal conditions of use, storage and transport. |

#### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Do not allow run-off from fire fighting to enter drains or water courses. Exercise caution when fighting any chemical fire.           |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus. |

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid all eye and skin contact and do not breathe vapour and mist. No flames, no sparks. Eliminate all sources of ignition.

##### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Protective equipment | : Chemical goggles or safety glasses. Wear suitable protective clothing and gloves. |
| Emergency procedures | : Evacuate unnecessary personnel.   |

##### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Chemical goggles or safety glasses. Wear suitable protective clothing and gloves. |
| Emergency procedures | : Ventilate area. Stop leak if safe to do so.                                       |

#### 6.2. Environmental precautions

Prevent dispersion. Prevent entry to sewers and public waters.

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### 6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop the flow of material, if this is without risk.
- Methods for cleaning up : Take up in non-combustible absorbent material and shove into container for disposal. Flush contaminated areas with plenty of water.

### 6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Hygiene measures : Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Always wash your hands immediately after handling this product, and once again before leaving the workplace.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container. Keep container closed when not in use.
- Incompatible products : Strong acids. Strong bases. Strong oxidizers.
- Heat and ignition sources : Keep away from heat, sparks and flame.
- Prohibitions on mixed storage : Incompatible materials.
- Storage area : Store in dry, cool, well-ventilated area.

### 7.3. Specific end use(s)

Herbicide.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| BASAGRAN <sup>®</sup> HERBICIDE |                |
|---------------------------------|----------------|
| ACGIH                           | Not applicable |
| OSHA                            | Not applicable |
| sodium bentazon (50723-80-3)    |                |
| ACGIH                           | Not applicable |
| OSHA                            | Not applicable |

### 8.2. Exposure controls

- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : Wear suitable gloves resistant to chemical penetration.
- Eye protection : Chemical goggles or safety glasses. In case of splashing or aerosol production: protective goggles. Face shield.
- Skin and body protection : Long sleeved protective clothing. Rubber Apron. Foot protection.
- Respiratory protection : In case of inadequate ventilation wear respiratory protection. Use an approved respirator equipped with oil/mist cartridges. Supplied-Air Respirator (SAR).
- Other information : Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Colour : Yellow to red to brown
- Odour : Sild Sweet
- Odour threshold : No data available
- pH : 8 – 9
- Melting point : No data available
- Freezing point : No data available
- Boiling point : 100 °C approx (information applies to the solvent)
- Flash point : > 93 °C

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|   |  |
|---|--|
| Relative evaporation rate (butyl acetate=1) | : No data available  |
| Flammability (solid, gas)                   | : No data available  |
| Explosive limits                            | : No data available  |
| Explosive properties                        | : No data available  |
| Oxidising properties                        | : No data available  |
| Vapour pressure                             | : No data available  |
| Relative density                            | : No data available  |
| Relative vapour density at 20 °C            | : No data available  |
| Density                                     | : 1.19 g/cm <sup>3</sup> (or 9.91 lb/USg)                      |
| Solubility                                  | : Totally soluble in water in all proportions.<br>Water: 100 % |
| Log Pow                                     | : -0.55 - 0.77 @ 22 °C   |
| Log Kow                                     | : No data available  |
| Auto-ignition temperature                   | : 555 °C   |
| Decomposition temperature                   | : No data available  |
| Viscosity                                   | : No data available  |
| Viscosity, kinematic                        | : No data available  |
| Viscosity, dynamic                          | : 9 mPa.s @ 20 °C  |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat. contamination. Prolonged storage. Avoid static electricity discharges. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Sulphur oxides. Carbon dioxide. Carbon monoxide. Nitrogen oxides. hydrocarbons. Burning produces irritating, toxic and noxious fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                           |   |
|---------------------------|---|
| Likely routes of exposure | : Inhalation; Ingestion; Skin and eye contact |
| Acute toxicity            | : Oral: Harmful if swallowed.                 |

| BASAGRAN <sup>®</sup> HERBICIDE   |   |
|-----------------------------------|---|
| LD50 oral rat                     | 1000 - 2000 mg/kg   |
| LD50 dermal rat                   | > 4000 mg/kg  |
| LC50 inhalation rat (mg/l)        | > 4.8 mg/l/4h   |
| sodium bentazon (50723-80-3)      |   |
| ATE US (oral)                     | 500.000 mg/kg bodyweight  |
| Skin corrosion/irritation         | : Not classified<br>(Non-irritating to skin in rabbits.)              |
| Serious eye damage/irritation     | : Causes eye irritation.  |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction.<br>(Positive)                  |
| Germ cell mutagenicity            | : Not classified<br>Sodium bentazon – no teratogenic effects reported |

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|  |  |
|--|--|
| Carcinogenicity                                    | : Not classified<br>Sodium bentazon – not carcinogenic   |
| Reproductive toxicity                              | : Not classified<br>Sodium bentazon – the result of animal studies gave no indication of fertility impairing effects |
| Specific target organ toxicity (single exposure)   | : Not classified   |
| Specific target organ toxicity (repeated exposure) | : Not classified   |
| Aspiration hazard                                  | : Not classified   |
| Symptoms/injuries after skin contact               | : May cause an allergic skin reaction.   |
| Symptoms/injuries after eye contact                | : Causes eye irritation.   |
| Symptoms/injuries after ingestion                  | : Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed.           |

## SECTION 12: Ecological information

### 12.1. Toxicity

| BASAGRAN <sup>®</sup> HERBICIDE |   |
|---------------------------------|---|
| NOEC chronic fish               | > 100 mg/l 28 d                         |
| sodium bentazon (50723-80-3)    |   |
| LC50 fish 1                     | > 100 mg/l 96 h Rainbow trout, Bluegill |
| EC50 Daphnia 1                  | 125 mg/l 48 h                           |

### 12.2. Persistence and degradability

| BASAGRAN <sup>®</sup> HERBICIDE |                            |
|---------------------------------|----------------------------|
| Persistence and degradability   | Not readily biodegradable. |
| sodium bentazon (50723-80-3)    |                            |
| Persistence and degradability   | Not readily biodegradable. |

### 12.3. Bioaccumulative potential

| BASAGRAN <sup>®</sup> HERBICIDE |                                |
|---------------------------------|--------------------------------|
| Log Pow                         | -0.55 - 0.77 @ 22 °C           |
| sodium bentazon (50723-80-3)    |                                |
| Bioaccumulative potential       | Not expected to bioaccumulate. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Clean up even minor leaks or spills if possible without unnecessary risk.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT  
Not considered a dangerous good for transport regulations

### Additional information

Other information : No supplementary information available.

### ADR

No additional information available

### Transport by sea

No additional information available

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### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### sodium bentazon (50723-80-3)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

#### sodium bentazon (50723-80-3)

Not listed on the Canadian DSL (Domestic Substances List) inventory.

### EU-Regulations

#### sodium bentazon (50723-80-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral) H302

Skin Sens. 1 H317

Full text of H-statements: see section 16

### National regulations

#### sodium bentazon (50723-80-3)

Not listed on the Canadian Non-Domestic Substances List (NDSL).

### 15.3. US State regulations

No additional information available

### 15.4. US EPA – FIFRA Regulations

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

|                              |  |
|------------------------------|--|
| Signal word (FIFRA)          | : Caution.   |
| Hazard statements (FIFRA)    | : Harmful if swallowed or absorbed through skin. Causes moderate eye irritation.<br>Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.<br>Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.  |
| Environmental hazards        | : 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 apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwater or rinsate.<br>Bentazon, which is present in this product, is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.<br>Do not allow sprays to drift onto adjacent desirable plants.<br>Notice: It is a violation of federal law to use any pesticide in a manner that results in the death of an endangered species or in adverse modification of their habitat. |
| Physical or chemical hazards | : DO not use or store near heat or open flame.   |
| Indication of changes        | : Original Document.   |

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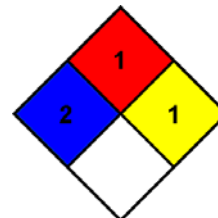
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- Data sources : ACGIH (American Conference of Government Industrial Hygienists).  
National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition.  
Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.  
NIOSH Occupational Health Guide for chemical Substances - Vol. II, September, 1978.  
OSHA 29CFR 1910.1200 Hazard Communication Standard.  
TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.
- Abbreviations and acronyms : ATE: Acute Toxicity Estimate.  
CAS (Chemical Abstracts Service) number.  
CLP: Classification, Labelling, Packaging.  
EC50: Environmental Concentration associated with a response by 50% of the test population.  
LD50: Lethal Dose for 50% of the test population.  
GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).  
NOEC: No Observable Effect Concentration.  
OSHA: Occupational Safety & Health Administration.  
TSCA: Toxic Substances Control Act.
- Other information : None.

### Full text of H-statements:

|                     |  |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4              |
| Eye Irrit. 2B       | Serious eye damage/eye irritation, Category 2B |
| Skin Sens. 1        | Sensitisation — Skin, category 1               |
| Skin Sens. 1B       | Sensitisation — Skin, category 1B              |
| H302                | Harmful if swallowed                           |
| H317                | May cause an allergic skin reaction            |
| H320                | Causes eye irritation                          |

- NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
- NFPA fire hazard : 1 - Must be preheated before ignition can occur.
- NFPA reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



SDS US (GHS HazCom 2012)