

Safety Data Sheet (SDS)


1 Identification

Trade Name: Utility Sunscreen Broad Spectrum SPF 30+
Product Numbers: 4022 (4-oz bottle), 40230 (pouch)
Company Name: Rainbow Technology Corporation
Company Address: 261 Cahaba Valley Parkway
 Pelham, AL 35124
Phone: 1-800-637-6047 Larry Joe Steeley, Jr.
Emergency Contact (24 hrs): Chem-Tel 1-800-255-3924
Revision Date : January 24, 2016
Replaces SDS Dated : May 31, 2013

2 Hazard(s) identification

- *Classification of the substance or mixture*
 The product is not classified according to the Globally Harmonized System (GHS).

 - *Classification according to Directive 67/548/EEC or Directive 1999/45/EC* Not applicable.
 - *Information concerning particular hazards for human and environment:*
 The product does not have to be labeled due to the calculation procedure of international guidelines.
 - *Classification system:*
 The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

 - *Label elements*
 - *Labelling according to EU guidelines:*
 Observe the general safety regulations when handling chemicals.
 The product is not subject to identification regulations according to directives on hazardous materials.
 - *Classification system:*
 - *NFPA ratings (scale 0 - 4)*
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Health = 0
 Fire = 0
 Reactivity = 0
- *HMIS-ratings (scale 0 - 4)*
- | | |
|------------|---|
| HEALTH | 0 |
| FIRE | 0 |
| REACTIVITY | 0 |

Health = 0
 Fire = 0
 Reactivity = 0
- *Other hazards*
 - *Results of PBT and vPvB assessment*
 - *PBT:* Not applicable.
 - *vPvB:* Not applicable.

3 Composition/information on ingredients

- *Chemical characterization: Mixtures*
- *Description: Mixture of the substances listed below with nonhazardous additions.*

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4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Product may irritate sensitive skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:** Store at room temperature and out of direct sun.
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.

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- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Viscous
Color:	Whitish
Odor:	Characteristic
Odor threshold:	Not determined.

· pH-value at 20 °C (68 °F): 5.4

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature:

Decomposition temperature: Not determined.

· Auto igniting: Product is not self-igniting.

· Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapor pressure at 20 °C (68 °F): 23 hPa (17 mm Hg)

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· Density:	<i>Not determined.</i>
· Relative density	<i>Not determined.</i>
· Vapour density	<i>Not determined.</i>
· Evaporation rate	<i>Not determined.</i>

· Solubility in / Miscibility with Water:	<i>Fully miscible.</i>
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· **Partition coefficient (n-octanol/water):** *Not determined.*

· Viscosity:	
Dynamic:	<i>Not determined.</i>
Kinematic at 20 °C (68 °F):	<i>37000 cstk (DIN 53211/4)</i>

· Solvent content:	
Organic solvents:	<i>0.9 %</i>
Water:	<i>67.6 %</i>
VOC content:	<i>0.9 %</i>
	<i>13.0 g/l / 0.11 lb/gl</i>

Solids content:	<i>31.5 %</i>
· Other information	<i>No further relevant information available.</i>

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *No dangerous reactions known.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known.*

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- on the skin: No irritant effect.*
- on the eye: No irritating effect.*
- **Sensitization:** *No sensitizing effects known.*
- **Additional toxicological information:**
- The product is not subject to classification according to internally approved calculation methods for preparations:*
- When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.*

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*

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- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, ADN, IMDG, IATA | Void |
| · UN proper shipping name | |
| · DOT, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | |
| · DOT, ADN, IMDG, IATA | |
| · Class | Void |
| · Packing group | |
| · DOT, IMDG, IATA | Void |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

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· TSCA (Toxic Substances Control Act):
<i>None of the ingredients is listed.</i>
· Proposition 65
· Chemicals known to cause cancer:
<i>None of the ingredients is listed.</i>
· Chemicals known to cause reproductive toxicity for females:
<i>None of the ingredients is listed.</i>
· Chemicals known to cause reproductive toxicity for males:
<i>None of the ingredients is listed.</i>
· Chemicals known to cause developmental toxicity:
<i>None of the ingredients is listed.</i>
· Carcinogenic categories
· EPA (Environmental Protection Agency)
<i>None of the ingredients is listed.</i>
· TLV (Threshold Limit Value established by ACGIH)
<i>None of the ingredients is listed.</i>
· NIOSH-Ca (National Institute for Occupational Safety and Health)
<i>None of the ingredients is listed.</i>
· OSHA-Ca (Occupational Safety & Health Administration)
<i>None of the ingredients is listed.</i>
· Product related hazard informations:
<i>Observe the general safety regulations when handling chemicals.</i>
<i>The product is not subject to identification regulations according to directives on hazardous materials.</i>
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)