


1. Identification

Product name	Black Strap Molasses
Product code	MOLASS
Other Identification:	Chemical Family: Inverted syrup from the juice of sugar cane Formula: Molasses
Recommended use	Turf, Horticulture & Agriculture
Manufacturer & Distributor information	
Corporate Office	Plant Food Company, Inc. 38 Hightstown-Cranbury Station Road Cranbury, NJ 08512 United States Information: 1-609-448-0935
Telephone	
Website	www.plantfoodco.com
E-mail	pfc@plantfoodco.com
Contact person	Grant Platz, Ted Platz
Emergency phone number	1-800-424-9300 CCN725928
Call CHEMTREC Day or Night Within USA and Canada	or +1 703-527-3887 (collect calls accepted)
Other Countries	1-609-448-0935

2. Hazard(s) identification

Physical hazards	This material is not a 'health hazard' or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration Hazard Communication Standard, 20 CFR 1910.1200	
Health hazards	Acute toxicity, oral Serious eye damage/eye irritation Specific target organ toxicity, single exposure	Category 4 Category 2A Category 3 respiratory tract irritation Category 2
Environmental hazards	Hazardous to the aquatic environment, acute hazard	
OSHA defined hazards Label elements	Not classified.	
Label elements		
Signal word	Warning	
Hazard statement	May intensify fire; oxidiser, Causes serious eye irritation.	
Precautionary statement		
Prevention	Use only outdoors or in a well-ventilated area. Avoid breathing mist or vapor. Wash thoroughly after handling. Do	
Response	If swallowed: Call a poison center/doctor if you feel unwell. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. Rinse mouth. If eye irritation persists: Get medical advice/attention.	
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.	
Hazard(s) not otherwise classified (HNOC)	None known.	
Supplemental information		

3. Composition/information on ingredients

Proprietary Ingredients				
Chemical Name	Synonym Common Name	CAS Number	EINECS No.	%
Molasses Blackstrap	Molasses Blackstrap	8052-35-5	232-487-2	100.00
Other components below reportable levels				
*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.				

4. First-aid measures

Inhalation	Remove victim from contaminated atmosphere. If breathing is labored, administer oxygen. If breathing has
Skin contact	Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Continue
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Remove contact lenses, if
Ingestion	Rinse mouth. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. If victim is conscious, give two to four glasses of water and induce vomiting by touching finger to back of throat. Obtain medical attention.
Most important symptoms/effects, acute and delayed	Irritation of eyes and mucous membranes.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim warm. In case of shortness of breath, give oxygen. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. Fire-fighting measures



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<p>Flammable Properties: Suitable extinguishing media Unsuitable extinguishing media Specific hazards arising from the chemical</p>	<p>NFPA: Health - 0 Flammability - 0 Reactivity - 0 Non-combustible. Water Not applicable. During fire, gases hazardous to health may be formed. Heating (flames) of closed or sealed containers may cause violent rupture of container due to thermal expansion of compressed gasses. In case of fire, may produce hazardous decomposition products such as nitrogen oxides (NO, NO₂, etc.), ammonia (NH₃), amines. Vapors are irritating to eyes, skin and respiratory tract.</p>
<p>Special protective equipment and precautions for firefighters Fire-fighting equipment/instructions Specific methods General fire hazards</p>	<p>Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk. Keep containers/storage vessels in fire area cooled with water spray. Move container from fire area if it can be done without risk. Heating this product will evolve ammonia</p>

6. Accidental release measures

<p>Personal precautions, protective equipment and emergency procedures Methods and materials for containment and cleaning up</p>	<p>Keep people away from and upwind of spill/leak. Keep out of low areas. Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Stop the flow of material, if this is without risk. Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.</p>
<p>Environmental precautions</p>	<p>Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further</p>

7. Handling and storage

<p>Precautions for safe handling Conditions for safe storage, including any incompatibilities</p>	<p>Do not taste or swallow. Avoid breathing mist or vapor. Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Observe good industrial hygiene practices. Wash hands Store locked up. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS).</p>
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8. Exposure controls/personal protection

<p>Occupational exposure limits Biological limit values Appropriate engineering controls Individual protection measures, such as personal protective equipment Eye/face protection Skin protection Hand protection Other Respiratory protection Thermal hazards General hygiene considerations</p>	<p>No exposure limits noted for ingredient(s). No biological exposure limits noted for the ingredient(s). Provide eyewash station. Wear eye/face protection. Wear safety glasses with side shields (or goggles). For prolonged or repeated skin contact use suitable protective gloves. Wear suitable protective clothing. Wash contaminated clothing prior to reuse. In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate thermal protective clothing, when necessary. When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after</p>
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9. Physical and chemical properties

<p>Appearance Physical state Form Color Odor Odor threshold pH Salt-Out / Crystallization Temp Melting point/freezing point Initial boiling point and boiling range Flash point Evaporation rate Flammability (solid, gas) Upper/lower flammability or explosive limits Flammability limit - lower (%) Flammability limit - upper (%) Explosive limit - lower (%) Explosive limit - upper (%) Vapor pressure Vapor density Relative density Solubility Solubility (water) Partition coefficient (n-octanol/water) Auto-ignition temperature</p>	<p>Black, thick liquid Liquid. Liquid. Black, thick liquid Sweet smell Not available. 5.1 0 °F(-17.8°C) (Typical) 219°F (104.4°C) Not available. Not determined Not applicable Not applicable Not available. Not available. Not available. Not available. Not determined Not available. Easily soluble in water 100% Not available. Not available.</p>
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Decomposition temperature	Data not available
Viscosity	
Other information	
Pounds per gallon	11.7 lbs/gal
Shelf life	> 2 years
10. Stability and reactivity	
Reactivity	Avoid interaction with heat (flames), oxidizers, acids or alkalis (see details below in this section). Stable under recommended storage and handling conditions. Stable in normal temperatures and pressure.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Strong oxidizers such as nitrates, nitrites or chlorates can cause explosive mixtures if heated to dryness
Conditions to avoid	Temperatures above 120°F (49°C)
Incompatible materials	Strong oxidizers. Acids will cause the release of sulfur dioxide, a severe respiratory irritant. This product is not compatible with copper, zinc or their alloys including brass, bronze or galvanized materials. These materials should not be utilized in handling systems or storage containers for this product.
Hazardous decomposition products	When heated, decomposition products. UAN will form urea-nitrate when mixed with nitric acid at low pH. Urea-nitrate may become unstable and/or explosive under certain conditions.
11. Toxicological information	
Information on likely routes of exposure	
Oral	Data not available.
Inhalation	Data not available.
Skin contact	Data not available.
Eye contact	Data not available.
Chronic/Carcinogenicity:	No evidence available
Teratology:	Data not available.
Reproduction:	Data not available.
Mutagenicity:	Data not available.
12. Ecological information	
Ecotoxicity	Data not available.
Persistence and degradability	Data not available.
Bioaccumulative potential	This product is not bioaccumulative.
Mobility in soil	Data not available.
Other adverse effects	Data not available.
13. Disposal considerations	
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds,
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may
14. Transport information	
DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
15. Regulatory information	
US federal regulations	Regulation EC 1907/2006 (REACH), Fertilizer Directive EC 2003/2003
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
SARA 304 Emergency release notification	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed.
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely hazardous substance	Not listed.
Section 313 (FORM R):	Not applicable
Other federal regulations	
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated.



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Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.
Safe Drinking Water Act (SDWA) Not regulated.
US. California Proposition 65 WARNING: This product contains a chemical known to the State of California to cause birth defects or other

16. Other information, including date of preparation or last revision

Issue date 6/1/2015
Revision date 7/15/2013
Version # 2
Disclaimer While the information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or information set forth, or that the products, or information may be used without infringing the intellectual property rights of others. In no case shall the information provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the information furnished by our company hereunder are given gratis and we assume no obligation or liability for the information given or results obtained, all such being given and accepted at your risk.

Revision Information Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties