

Material Safety Data Sheet

Date Issued: April 7, 2009
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Product Name: AUSSAN REVOLUTION CropLife

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name: Aussan Revolution CropLife
Product Use: Botanical extracts based plant nutrient synergist
Company Name: Laboratoires Aussan Laboratories Inc.
Address: 206 Barcelone, Dollard-des-Ormeaux Qc H9B 3L9
Emergency Tel.:
Tel: (514) 684-6237

2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition: Product based on Bioflavonoids, organic acids,
Ingredients

Name	CAS	Proportion
Bitter orange extract	72968-50-4	< 30%
Organic acid blend	Proprietary	< 30%
Glycerine USP	56-81-5	< 20%
Ethanol	64-17-5	< 5%
Yucca Shidigera	N/A	< 10%
Pure Water	N/A	Remainder

3. HAZARDS IDENTIFICATION

Not classified as hazardous according to the criteria of NOHSC and not classified as a dangerous good according to the ADG code.

Risk phrases: R36 Irritating to eyes
Safety phrases: S2 Keep out of reach of children.
S25 Avoid contact with eyes.
Hazard Category: Non Hazardous. Non dangerous goods.
Symptoms & Effects May dry skin on prolonged contact with concentrate.
Other Hazard Information: Nil

4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air. Investigate possible misuse of material. Seek medical attention.
Ingestion: Rinse mouth with water. Give water to drink. Never give anything by mouth to an unconscious person
Eye: Remove contact lenses. Immediately irrigate with water for at least 15 minutes. Eyelids to be held open. Seek medical advice.
Skin: Wash affected areas with water.
First Aid Facilities: Normal washroom facilities.
Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use extinguishing media suitable for surrounding fire situation.
Specific Hazards: Nil.
Precautions in connection with Fire: Firefighters should wear Self-Contained Breathing Apparatus and full protective clothing to minimize exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. If safe to do so, remove undamaged containers from fire area.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal: Contain and collect using absorbent material. Small spills may be flushed to sewer. Dispose of to landfill.

7. HANDLING AND STORAGE

Handling: Repeated or prolonged exposure to the concentrate without personal protection should be avoided in order to lessen the possibility of disorders. It is recommended that all who come into contact with the concentrated material maintain good standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet Keep container closed and bung in place.
Storage: Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However as with all chemicals, exposure to concentrate should be kept to the least possible levels.
Respiratory Protection: Not necessary for the diluted product or when handling concentrate.
Eye Protection: Safety glasses.
Hand Protection: Not necessary. Incidental skin contact is not harmful..
Body Protection: N/A.
Eng. Controls: N/A.
Other information: No Biological Limit Value allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear deep red/brown medium viscosity liquid
Odour bitter sweet scent
Boiling Point 1050C
pH 3.5 (neat), 5.8 (1% solution)
Solubility in Water emulsifies in water
Specific Gravity (H₂O = 1) 1.12 @ 20 0C
Physical State: Liquid.
Flash Point: Non flammable
Flammability: Non flammable
Flammable Limits LEL: Non flammable
Flammable Limits UEL: Non flammable

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and handling.
Hazardous:	Will not occur.
Polymerization	
Materials to Avoid:	Strong oxidizing agents.
Hazardous:	None known.
Decomposition	
Products:	None known.
Hazardous Reaction:	Not a fire hazard.

11. TOXICOLOGICAL INFORMATION

Toxicology:	Not available
Information	
Inhalation:	Ingredients are considered non hazardous when used as directed
Ingestion:	Not a likely source of exposure, however, moderate quantities of concentrate may cause irritation. Potential symptoms include nausea, diarrhoea, abdominal pain and vomiting.
Skin:	May cause skin irritation with prolonged contact with the concentrate, which can result in redness in some people. No known effects through continual exposure to dilute solutions.
Eye:	The concentrate may be a possible eye irritant. May cause eye soreness.
Chronic Effects:	No known adverse effects.

12. ECOLOGICAL INFORMATION

Environment Protection:	Harmful to aquatic life in concentrate form. Not harmful to birdlife. .
Mobility:	No data is available for this product.
Persistence:	No data is available for this product.
Degradability:	Fully biodegradable
Bioaccumulation:	No data is available for this product.
Eco-toxicity:	No data is available for this product.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, E.P.A., state and local regulations.
Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

TDG PIN Number:	None allocated
Handling Indication:	Fragile This Side Up Sensitive to high temperature

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.