

Material Safety Data Sheet

Cranberry Juice Concentrate

Item code: 12100-5, 12100-50, 12100-C,
12101-50, 22100-5, 22100-50

1. Material identification and use

Material use : Food ingredient
Supplier : ATOKA Cranberries Inc.
 3025, route 218
 Manseau (PQ) Canada, G0X 1V0
Phone number : (819) 356-2001
Fax number : (819) 356-2111

2. Hazardous ingredients

Ingredient	Conc. (%)	CAS no.	LD50
None	----	----	----
Flammability	: 0 (No)		
Reactivity	: 0 (No)		
Health	: 0 (No)		

3. Physical DATA

Physical state : Liquid
Appearance : Dark Red Cranberry Color
Specific gravity : 1.23
Refraction index : 1.42
pH : 2.0 – 2.5
Boiling point : Not available
Solubility : Soluble in water
Alcohol contents : 0.01-0.09 (% v/v)
Vapor pressure : N/A

4. Fire and Explosion DATA

Flammable : No

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Fire extinguishing	: Dry chemical, carbon dioxide, alcohol foam
Special methods	: None
Hazardous decomposition products	: Carbon dioxide, carbon monoxide, acrid smoke and fumes are produced during thermal decomposition
Flash point	: Not available
Flammable limit (upper)	: Not determined
Flammable limit (lower)	: Not determined
Auto-ignition temperature	: N/A
Sensitivity to static discharge	: N/A

5. Reactivity DATA

Stability	: Stable
Incompatibility	: Strong oxidizing agents
Reaction products	: Not available

6. Toxicological properties

Effect of accurate exposure	: 1. Skin contact - None known 2. Skin absorption - None known 3. Inhalation - None known 4. Eye contact - Irritation 5. Ingestion – Irritation of gastrointestinal if ingested excessive quantity at pure state
Effect of chronic exposure	: None known
DL50	: Not available
CL50	: Not available
Carcinogenic effect	: Not listed as a carcinogen (source OSHA)
Synergetic products	: Not available

7. Preventive measures

Gloves	: Not required, wash hands thoroughly after handling
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Ocular apparatus	: Not required, but safety glasses are a good practice
Boots	: Not required, but protective boots are a good practice
Respirator	: Not required
Spill and leak	: Spray with water
Waste disposal	: According to all applicable regulation
Handling	: Typical good manufacturing practices and safe lifting and transporting procedures should be followed
Storage	: Keep at $2 \pm 2^{\circ}\text{C}$ ($36^{\circ}\text{F} \pm 4^{\circ}\text{F}$) or $-18^{\circ}\text{C} \pm 5^{\circ}\text{C}$ ($0^{\circ}\text{F} \pm 15^{\circ}\text{F}$)
Special information	: Store away from oxidizing agents

8. First AID

Skin (contact/absorption)	: Flush skin with water
Eyes	: Flush eyes with copious quantities of water for at least 15 minutes and holding eyelids open. Eye wash fountains should be easily accessible. If irritation occurs or persist seek medical attention.
Ingestion	: Not applicable
Inhalation	: If reaction, remove patient to fresh air and seek medical attention

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