MATERIAL SAFETY DATA SHEET

Section 1 Product Identification

1.1	Product Name JAR BAYBERRY GRENADINE
1.2	Chemical Name
1.3	Article number and barcode 30216933
1.4	5010414372957
1.5	Product use: Scented candle
1.6	Supplier's Name
1.7	Supplier's Address
1.8	Emergency Phone SER SPA +39 (0) 119455511
1.9	Other

Section 2 Hazard Identification

2.1	Hazard Identification: HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS						
2.2	Routes of entry	Inhalation		Absorption		Ingestion	
2.3	Effects of exposure. Ingestion: Eyes: Skin: Inhalation:						
2.4	Symptoms of Over exposure Ingestion: Eyes: Skin: Inhalation:						
2.5	Acute Hearth Effects Ingestion: Eyes: Skin: Inhalation:						
2.6	Chronic Health Effects						
2.7	Target organs						
2.8	Toxicological Properties						
NA= Not Available ND= Not Determined NE= Not Established NF = Not Found C= Celling Limit							

MATERIAL SAFETY DATA SHEET

Section 3 Composition & Ingredient Information

Chemical Name(s)	CAS No.	RTECs No.	EINECS No.	%	Exposure Limits in Air (mg/m2)								
					ACGIH		NOHSC			OSHA			Other
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	TLV	STEL	IDLH	
.alpha.-Hexylcinnamaldehyde	101-86-01651 84-98-5202-983-301-21195 33092-50			0.08-0.4									
Benzyl benzoate	120-51-4204-402-901-21199 76371-3301-21997 6371-33			0.08-0.4									
(R)-p-Mentha-1,8-diene	5989-27-5227-813-5			0.008-0.08									
Allyl hexanoate	123-68-2204-642-401-21 19 98 35			0.008-0.08									

	73-26-00 00				

Section 4 First Aid Measures

4.1	Frist Aid: Ingestion: If symptons persist, call a pysician Eyes: Rinse with plenty of water. Get medical attention if irritation develops and persists Skin: Cool rapidly with cold water after contact with molten material. Get medical attention if irritation develops and persists. Inhalation: No special requirements
4.2	Medical Conditions aggravated by expose:

5. Firefighting Measures

5.1	Flashpoint & method:>=135 C Method: ASTM D 93				
5.2	Auto-ignition Temperature: not auto flammable				
5.3	Flammability limits	Lower explosive limit (LEL)		Upper explosive limit (UEL)	
5.4	Extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding envrionment				
5.5	Firefighting Procedures: in the event of fire, wear self-contained breathing apparatus. Wear suitable protective clothing and gloves				
Additional information: Fight fire with normal precautions from a reasonable distance					

Dunelm	**MATERIAL SAFETY DATA SHEET**

Section 6. Accidental release measures

6.1	Spills: Clean residue from spill site, sweep up and shovel into suitable containers for disposal
6.2	Any other forms of release:

Section 7. Handling &storage information

7.1	Work & Hygiene practices:
7.2	Storage & handling: Burn candle within sight. Never touch, lift or move a candle while lit. Never burn candle on or near anything that can catch fire. Normal measures for preventive fire protection. Keep out of reach of children. No decomposition if stored and applied as directed
7.3	Special precautions:
7.4	Additional information:

Section 8. Exposure controls & personal protection

8.1	Ventilation & engineering controls:				
8.2	Respiratory protection. No Personal respiratory protective equipment normally required				
8.3	Eye protection. No Special Requirements				
8.4	Hand protection. For prolonged or repeated contact use protective gloves				
8.5	Body protection. No Special Requirements	**HEALTH**			
		FLAMMABILITY			
		PHYSCIAL HAZARDS			
		SPECIAL EQUIPMENT			

Dunelm

MATERIAL SAFETY DATA SHEET

Section 9. Physical & chemical properties

9.1	Density	
9.2	Boiling point	Test not applicable for this product type
9.3	Melting point	Test not applicable for this product type

9.4	Evaporation rate	Test not applicable for this product type
9.5	Vapour pressure	Test not applicable for this product type
9.6	Molecular weight	
9.7	Appearance & colour	Wax, red
9.8	Odour threshold	Characteristic
9.9	Solubility	insoluble
9.10	pH	Test not applicable for this product type
9.11	Viscosity	Test not applicable for this product type
9.12	Other information	None identified

Section 10. Stability & reactivity

10.1	Stability: Stable under recommended storage conditions
10.2	Hazardous Decomposition products: No decomposition if stored and applied as directed
10.3	Hazardous polymerization
10.4	Conditions to avoid: Extremes of temperature and direct sunlight
10.5	Incompatible substances: None known

Section 11. toxicological information

11.1	Toxicity data: Mixture:	
11.2	Acute toxicity: Based on available date, the classification criteria are not met	
11.3	Chronic toxicity:	
11.4	Suspected toxicity	
11.5	Reproductive toxicity: Based on available date, the classification criteria are not met	
	Mutagenicity	
	Embryo toxicity	
	Teratogenicity	
	Reproductive toxicity	Based on available date, the classification criteria are not met
11.6	Irritancy of product: Based on available date, the classification criteria are not met	
11.7	Biological exposure indices	
11.8	Physician recommendations	
11.9	Additional information	

Section 12. Ecological information

12.1	Environmental stability

12.2	Effect on plants & animals
12.3	Effect on aquatic life:

Section 13. Disposal consideration

13.1	Waste Disposal: Product – do not dispose of waste in sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Disposal should be in accordance with local, state or national legislation. Please recycle empty packaging and do not re-use empty containers
13.2	Special Considerations

Section 14. Transportation information

The basic description (ID number, proper shipping name, hazard class & division, packing group) is shown for each mode of transport. Additional descriptive information may be required by 49 CFR. IATA/ICAO, IMDG, TDGR, SCT and ADGR		
14.1	**49 CFR (GND) Not classified as dangerous in the meaning of the transport regulations**	
14.2	**IATA (AIR) Not classified as dangerous in the meaning of the transport regulations**	
14.3	**IMDG (OCN) Not classified as dangerous in the meaning of the transport regulations**	
14.4	**TDGR (Canadian GND)**	
14.5	**ADR/RID (EU)**	
14.6	**Mexico (SCT)**	
14.7	**ADGR (AUS)**	

Section 15. regulatory information

15.1	U.S EPA SARA reporting requirements
15.2	U.S EPA SARA Threshold planning quantity
15.3	U.S EPA TSCA Inventory Status
15.4	U.S EPA CERCLA reportable quantity (RQ)
15.5	Other U.S Federal Requirements
15.6	Other regulations
15.7	U.S State regulatory Information
15.8	67/548/EEC (European Union) and Australia NOHSC:2011 (2003) requirements

Section 16. Other information

16.1	Other information:
16.2	Terms & definitions: Please refer to last page.
16.3	Disclaimers:
16.4	Prepared for:
16.5	Company full address:

Definitions of terms

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

General information	
CAS No.	Chemical abstract service number
Exposure limits in the air	
ACGIH	American conference on governmental industrial hygienists
TLV	Threshold limit value
OSHA	U.S occupational safety and health administration
PEL	Permissible exposure limit
IDLH	Immediately dangerous to life and health
Frist Aid measures	
CPR	Cardiopulmonary resuscitation- method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

Hazardous materials identification systems: HMISH

Health, Flammability & reactivity ratings

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

	Hazard rating
HEALTH	
FLAMMABILITY	
PHYSICAL HAZARDS	
Personal Protection	

Personal Protection Ratings:

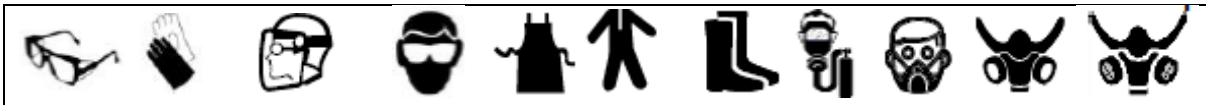
A		**G**	
B		**H**	
C		**I**	
D		**J**	
E		**K**	
F		**X**	**Consult your supervisor or S.O.P for special handling directions.**

MATERIAL SAFETY DATA SHEET

Definitions of terms

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

Personal Protection ratings:

										
Saftey glasses	**Gloves**	**Face shield &eye protection**	**Splash goggles**	**Synthetic Apron**	**Full suit**	**Boots**	**Airline Hood/ mask**	**Full face respirator**	**Vapor respirator**	**Dust & vapor respirator**
	Note: The dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.									

Flammability limits in air	
Auto ignition temperature	Minimum temperature required to initiate combustion in air with no other source of ignition.
LEL	Lower explosive limit- lowest percent of vapour in air, by volume that will explode or ignite in the presence of an ignition source.
UEL	Upper explosive limit- highest percent of vapour in air, by volume, that will explode or ignite in the presence of an ignition source.

Other Standard abbreviations:	
NA	Not available
NR	No results
NE	Not established
NF	Not found
ND	Not determined
ML	Maximum limit
SCBA	Self- contained breathing apparatus

Dunelm	**MATERIAL SAFETY DATA SHEET**

Definitions of terms

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

National fire protection association: NFPA Hazard ratings		
0	Minimal Hazard	
1	Slight Hazard	

2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	
W_	Use no water	
OX	Oxidizer	

Toxicological information	
LD 50	Lethal dose (solids & liquids) which kills 50% of the exposed animals
LC 50	Lethal concentration (gases) which kills 50% of the exposed animals
ppm	Concentration expressed in parts of material per million parts
TD 10	Lowest dose to cause a symptom
TCL0	Lowest concentration to cause a symptom
TD10, LD10 & LD0 or TC, TC0, LC10, & LC0	Lowest dose (or Concentration) to cause lethal or toxic effects
IARC	International agency for research on cancer
NTP	National toxicology program
RTECS	Registry of toxic effect chemical substances
BCF	Bio concentration factor
TLm	Median threshold limit
Log Kow or Log Koc	Coefficient of oil/water distribution

MATERIAL SAFETY DATA SHEET

Definitions of terms

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

Regulatory information	
CPR	Canada's controlled product regulations
DOT	U.S. Department of transport
EPA	U.S Environmental protection agency
EU	European Union (European union directive 67/548/EEC)
DSL	Canadian domestic substance list
MAK	Mandat und die arbeitsweise der commission (work ares commission)
NDSL	Canadian non- domestic substance list

NOHSC	National occupational health & safety code (Australia)
PSL	Canadian Priority substances list
TC	Transport Canada
TSCA	U.S toxic substance control act
WHMIS	Canadian workplace hazardous material information system

EC Information

							
C	**E**	**F**	**N**	**O**	**T+**	**Xi**	**Xn**
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

WHMIS Information

							
A	**B**	**C**	**D1**	**D2**	**D3**	**E**	**F**
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive