

# SAFETY DATA SHEET

## 1. Identification

Product identifier	CAIROX® potassium permanganate	
Other means of identification		
SDS number	-	
CAS number	7722-64-7	
Recommended use	Potassium Permanganate is an oxidant recommended for applications that require a strong oxidant.	
Recommended restrictions	Use in accordance with supplier's recommendations.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer/Supplier		
Company name	CARUS CORPORATION	
Address	315 Fifth Street, Peru, IL 61354, USA	
Telephone	+1 815 223-1500 - All other non-emergency inquiries about the product should be directed to the company	
E-mail	salesmkt@caruscorporation.com	
Website	www.caruscorporation.com	
Contact person	Shelley Corban	
Emergency telephone number	For Hazardous Materials [or Dangerous Goods] Incidents ONLY  (spill, leak, fire, exposure or accident), call CHEMTRAC at CHEMTRAC®, USA: 001 (800) 424-9300 CHEMTRAC®, Mexico (Toll-Free - must be dialed from within country): 01-800-681-9531 CHEMTRAC®, Other countries: 001 (703) 527-3887	

## 2. Hazard(s) identification

Physical hazards	Oxidizing solids	Category 2
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 1C
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity following repeated exposure	Category 2 (Liver)
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1

## Label elements



Signal word	Danger
Hazard statement	May intensify fire; oxidiser. Harmful if swallowed. Causes severe skin burns and eye damage. May cause damage to organs (Liver) through prolonged or repeated exposure by ingestion. Very toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	Keep away from heat. Keep/Store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Do not breathe dust. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid release to the environment.

<b>Response</b>	In case of fire: Use water for extinction. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician. Get medical advice/attention if you feel unwell. Wash contaminated clothing before reuse. Collect spillage.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Other hazards</b>	None known.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Substances

Chemical name	Common name and synonyms	CAS number	%
Potassium permanganate		7722-64-7	> 97.5

<b>Composition comments</b>	All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
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### 4. First-aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Get medical attention immediately.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Immediately flush skin with plenty of water. Get medical attention immediately. Wash contaminated clothing before reuse.
	Contact with skin may leave a brown stain of insoluble manganese dioxide. This can be easily removed by washing with a mixture of equal volume of household vinegar and 3% hydrogen peroxide, followed by washing with soap and water.
<b>Eye contact</b>	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids wide apart. Continue rinsing. Get medical attention immediately.
<b>Ingestion</b>	Immediately rinse mouth and drink plenty of water. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately.
<b>Most important symptoms/effects, acute and delayed</b>	Contact with this material will cause burns to the skin, eyes and mucous membranes. Permanent eye damage including blindness could result.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Decomposition products are alkaline. Brown stain is insoluble manganese dioxide.
<b>General information</b>	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. For personal protection, see Section 8 of the SDS. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Flood with water from a distance, water spray or fog.
<b>Unsuitable extinguishing media</b>	The following extinguishing media are ineffective: Dry chemical. Foam. Carbon dioxide (CO <sub>2</sub> ). Halogenated materials.
<b>Specific hazards arising from the chemical</b>	May intensify fire; oxidiser. May ignite combustibles (wood, paper, oil, clothing, etc.). Contact with incompatible materials or heat (135 °C / 275 °F) could result in violent exothermic chemical reaction. Oxidizing agent, may cause spontaneous ignition of combustible materials. By heating and fire, corrosive vapours/gases may be formed. During fire, gases hazardous to health may be formed such as: Carbon oxides (CO <sub>x</sub> ). Metal oxides.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.
<b>Fire fighting equipment/instructions</b>	Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Dike fire control water for later disposal. Water runoff can cause environmental damage.

**General fire hazards**

The product is not flammable. May intensify fire; oxidiser. May ignite combustibles (wood, paper, oil, clothing, etc.). Contact with incompatible materials or heat (135 °C / 275 °F) could result in violent exothermic chemical reaction.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures****Methods and materials for containment and cleaning up**

Keep unnecessary personnel away. Keep upwind. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapours and contact with skin and eyes. Wear protective clothing as described in section 8 of this safety data sheet. Local authorities should be advised if significant spillages cannot be contained.

Keep combustibles (wood, paper, oil etc) away from spilled material. Should not be released into the environment. This product is miscible in water. Stop leak if possible without any risk. Dike the spilled material, where this is possible. Clean up spills immediately by sweeping or shoveling up the material. Do not return spilled material to the original container; transfer to a clean metal or plastic drum. To clean up potassium permanganate solutions, follow either of the following two options:

Option # 1: Dilute to approximately 6% with water, and then reduce with sodium thiosulfate, a bisulfite or ferrous salt solution. The bisulfite or ferrous salt may require some dilute sulfuric acid (10% w/w) to promote reduction. Neutralise with sodium carbonate to neutral pH, if acid was used. Decant or filter and deposit sludge in approved landfill. Where permitted, the sludge may be drained into sewer with large quantities of water.

Option # 2: Absorb with inert media like diatomaceous earth or inert floor dry, collect into a drum and dispose of properly. Do not use saw dust or other incompatible media. Disposal of all materials shall be in full and strict compliance with all federal, state, and local regulations pertaining to permanganates.

To clean contaminated floors, flush with abundant quantities of water into sewer, if permitted by federal, state, and local regulations. If not, collect water and treat as described above.

**Environmental precautions**

Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS. Do not allow to enter drains, sewers or watercourses. Contact local authorities in case of spillage to drain/aquatic environment.

**7. Handling and storage****Precautions for safe handling****Conditions for safe storage, including any incompatibilities**

Take any precaution to avoid mixing with combustibles. Do not get this material in your eyes, on your skin, or on your clothing. Do not breathe dust or mist or vapour of the solution. Use personal protection as recommended in Section 8 of the SDS. If clothing becomes contaminated, remove and wash off immediately. When using, do not eat, drink or smoke. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Avoid release to the environment.

Store locked up. Keep container tightly closed and in a well-ventilated place. Store in a cool, dry place. Store away from incompatible materials (See Section 10). Store in accordance with local/regional/national/international regulation.

**8. Exposure controls/personal protection****Occupational exposure limits****US. ACGIH Threshold Limit Values**

Material	Type	Value	Form
CAIROX® potassium permanganate	TWA	0.1 mg/m <sup>3</sup>	Inhalable fraction.
		0.02 mg/m <sup>3</sup>	Respirable fraction.
Components	Type	Value	Form
Potassium permanganate (CAS 7722-64-7)	TWA	0.1 mg/m <sup>3</sup>	Inhalable fraction.
		0.02 mg/m <sup>3</sup>	Respirable fraction.

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

Components	Type	Value
Potassium permanganate (CAS 7722-64-7)	TWA	0.2 mg/m <sup>3</sup>

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Potassium permanganate (CAS 7722-64-7)	TWA	0.2 mg/m3

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

<b>Material</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
CAIROX® potassium permanganate	TWA	0.1 mg/m3	Inhalable fraction.
		0.02 mg/m3	Respirable fraction.
<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Potassium permanganate (CAS 7722-64-7)	TWA	0.1 mg/m3	Inhalable fraction.
		0.02 mg/m3	Respirable fraction.

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Potassium permanganate (CAS 7722-64-7)	TWA	0.2 mg/m3

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)**

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Potassium permanganate (CAS 7722-64-7)	TWA	5 mg/m3	Dust.

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**

Follow standard monitoring procedures.

**Appropriate engineering controls**

Provide adequate general and local exhaust ventilation. An eye wash and safety shower must be available in the immediate work area.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles). Wear face shield if there is risk of splashes.

**Skin protection**

**Hand protection** Wear chemical-resistant, impervious gloves. Use protective gloves made of: Rubber or plastic. Suitable gloves can be recommended by the glove supplier.

**Other** Wear appropriate chemical resistant clothing. Rubber or plastic apron.

<b>Respiratory protection</b>	<p>In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter.</p> <p>Measurement Element: Manganese (Mn) 10 mg/m<sup>3</sup> Any particulate respirator equipped with an N95, R95, or P95 filter (including N95, R95, and P95 filtering facepieces) except quarter-mask respirators. The following filters may also be used: N99, R99, P99, N100, R100 or P100. Any supplied-air respirator.</p> <p>25 mg/m<sup>3</sup> Any supplied-air respirator operated in a continuous-flow mode. Any powered, air-purifying respirator with a high-efficiency particulate filter.</p> <p>50 mg/m<sup>3</sup> Any air-purifying, full-face piece respirator equipped with an N100, R100, or P100 filter. Any supplied-air respirator with a tight-fitting face piece that is operated in a continuous-flow mode. Any powered, air-purifying respirator with a tight-fitting face piece and a high-efficiency particulate filter. Any self-contained breathing apparatus with a full face piece. Any supplied-air respirator with a full face piece.</p> <p>500 mg/m<sup>3</sup> Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode.</p> <p>Emergency or planned entry into unknown concentrations or IDLH conditions - Any self-contained breathing apparatus that has a full face piece and is operated in a pressure-demand or other positive-pressure mode.</p> <p>Escape Any air-purifying, full-face piece respirator equipped with an N100, R100, or P100 filter. Any appropriate escape-type, self-contained breathing apparatus.</p>
<b>Thermal hazards</b>	
<b>General hygiene considerations</b>	Wear appropriate thermal protective clothing, when necessary. When using, do not eat, drink or smoke. Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices.

## 9. Physical and chemical properties

<b>Appearance</b>	Dark purple solid with metallic lustre.
<b>Physical state</b>	Solid.
<b>Form</b>	Solid.
<b>Colour</b>	Dark purple.
<b>Odour</b>	Odourless.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	Starts to decompose with evolution of oxygen (O <sub>2</sub> ) at temperatures above 150 °C. Once initiated, the decomposition is exothermic and self sustaining.
<b>Initial boiling point and boiling range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Non flammable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not applicable.
<b>Flammability limit - upper (%)</b>	Not applicable.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not applicable.

<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	2.7 (20 °C) ( Water = 1)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	6 % (20 °C)
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	240 °C (464 °F)
<b>Viscosity</b>	Not applicable.
<b>Other information</b>	
<b>Density</b>	2.70 g/cm3
<b>Explosive properties</b>	Not explosive. Can explode in contact with sulphuric acid, peroxides and metal powders.
<b>Molecular formula</b>	H-Mn-O4.K
<b>Molecular weight</b>	158.03 g/mol
<b>Oxidising properties</b>	Strong oxidising agent.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	Contact with combustible material may cause fire. Can explode in contact with sulphuric acid, peroxides and metal powders. Starts to decompose with evolution of oxygen (O2) at temperatures above 150 °C. Once initiated, the decomposition is exothermic and self sustaining.
<b>Conditions to avoid</b>	Contact with incompatible materials or heat (135 °C / 275 °F) could result in violent exothermic chemical reaction.
<b>Incompatible materials</b>	Acids. Peroxides. Reducing Agents. Combustible material. Metal powders. Contact with hydrochloric acid liberates chlorine gas.
<b>Hazardous decomposition products</b>	By heating and fire, corrosive vapours/gases may be formed.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	May cause respiratory irritation.
<b>Skin contact</b>	Causes severe skin burns.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Harmful if swallowed.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Contact with this material will cause burns to the skin, eyes and mucous membranes. Permanent eye damage including blindness could result.

### Information on toxicological effects

<b>Acute toxicity</b>	Harmful if swallowed.
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<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Potassium permanganate (CAS 7722-64-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	2000 mg/kg
<b>Oral</b>		
LD50	Rat	2000 mg/kg
<b>Skin corrosion/irritation</b>	Causes severe skin burns.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.	
<b>Respiratory or skin sensitisation</b>		
<b>Respiratory sensitisation</b>	Not classified.	
<b>Skin sensitisation</b>	Not classified.	

<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Not classified.
<b>ACGIH Carcinogens</b>	
Potassium permanganate (CAS 7722-64-7)	A4 Not classifiable as a human carcinogen.
<b>Canada - Manitoba OELs: carcinogenicity</b>	
Potassium permanganate (CAS 7722-64-7)	Not classifiable as a human carcinogen.
<b>Reproductive toxicity</b>	Not classified.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	May cause damage to organs (Liver) through prolonged or repeated exposure by ingestion.
<b>Aspiration hazard</b>	Not classified.
<b>Chronic effects</b>	May cause damage to respiratory system. Prolonged exposure, usually over many years, to manganese oxide fume/dust can lead to chronic manganese poisoning, chiefly affecting the central nervous system.

## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Potassium permanganate (CAS 7722-64-7)		
<b>Aquatic</b>		
Fish	LC50	Bluegill (Lepomis macrochirus)
		2.7 mg/l, 96 hours static
		2.3 mg/l, 96 hours flow through
		2.3 mg/l, 96 hours
		1.8 - 5.6 mg/l
	Carp (Cyprinus carpio)	3.16 - 3.77 mg/l, 96 hours
		2.97 - 3.11 mg/l, 96 hours
	Goldfish (Carassius auratus)	3.3 - 3.93 mg/l, 96 hours static
	Milkfish, salmon-herring (Chanos chanos)	> 1.4 mg/l, 96 hours
	Rainbow trout (Oncorhynchus mykiss)	1.8 mg/l, 96 hours
		1.08 - 1.38 mg/l, 96 hours
		0.77 - 1.27 mg/l, 96 hours

**Persistence and degradability** Expected to be readily converted by oxidisable materials to insoluble manganese oxide.

**Bioaccumulative potential** Potential to bioaccumulate is low.

**Mobility in soil** The product is miscible with water. May spread in water systems.

**Other adverse effects** None known.

## 13. Disposal considerations

<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazardous waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Do not allow this material to drain into sewers/water supplies.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Rinse container at least three times to an absence of pink color before disposing. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### TDG

<b>UN number</b>	UN1490
<b>UN proper shipping name</b>	Potassium permanganate
<b>Transport hazard class(es)</b>	
<b>Class</b>	5.1

**Subsidiary risk** -  
**Packing group** II  
**Environmental hazards** Yes  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

#### IATA

**UN number** UN1490  
**UN proper shipping name** Potassium permanganate  
**Transport hazard class(es)**

**Class** 5.1

**Subsidiary risk** -

**Packing group** II  
**Environmental hazards** Yes  
**ERG Code** 5L

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

#### IMDG

**UN number** UN1490  
**UN proper shipping name** POTASSIUM PERMANGANATE  
**Transport hazard class(es)**

**Class** 5.1

**Subsidiary risk** -

**Packing group** II  
**Environmental hazards**

**Marine pollutant** Yes

**EmS** F-H, S-Q

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
Not applicable.

**General information** IMDG Regulated Marine Pollutant.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

### Controlled Drugs and Substances Act

Not regulated.

### Export Control List (CEPA 1999, Schedule 3)

Not listed.

### Greenhouse Gases

Not listed.

### Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)

Potassium permanganate (CAS 7722-64-7)

### Precursor Control Regulations

Potassium permanganate (CAS 7722-64-7) Class A

### International regulations

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto Protocol

Not applicable.

#### Montreal Protocol

Not applicable.

#### Basel Convention

Not applicable.

## International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

Issue date	24-April-2018
Revision date	-
Version No.	01
List of abbreviations	<p>GHS: Globally Harmonized System of Classification and Labeling of hazardous properties of Chemicals.</p> <p>TWA: Time weighted average.</p> <p>LD50: Lethal Dose, 50%.</p> <p>LC50: Lethal Concentration, 50%.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>IATA: International Air Transport Association.</p> <p>MARPOL: International Convention for the Prevention of Pollution from Ships.</p>
References	<p>HSDB® - Hazardous Substances Data Bank</p> <p>Registry of Toxic Effects of Chemical Substances (RTECS)</p> <p>IARC Monographs. Overall Evaluation of Carcinogenicity</p> <p>National Toxicology Program (NTP) Report on Carcinogens</p> <p>ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices</p>
Disclaimer	<p>This safety data sheet was prepared in accordance with the Safety Data Sheet for Chemical Products (JIS Z 7250:2005). The information contained herein is accurate to the best of our knowledge. However, data, safety standards and government regulations are subject to change and, therefore, holders and users should satisfy themselves that they are aware of all current data and regulations relevant to their particular use of product. CARUS CORPORATION DISCLAIMS ALL LIABILITY FOR RELIANCE ON THE COMPLETENESS OR ACCURACY OR THE INFORMATION INCLUDED HEREIN. CARUS CORPORATION MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE OR PURPOSE OF THE PRODUCT DESCRIBED HEREIN. All conditions relating to storage, handling, and use of the product are beyond the control of Carus Corporation, and shall be the sole responsibility of the holder or user of the product.</p>

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