

9742

Co2  
Cartridges

Industrial Art Supply U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

Form Approved OMB No. 44-11367

# MATERIAL SAFETY DATA SHEET

Required under USOL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME  
NIPPON TANSAN GAS CO., LTD

EMERGENCY TELEPHONE NO.  
TOKYO(849)1571

ADDRESS (Number, Street, City, State, and ZIP Code)  
32-26, 3-CHOME, A01, ADACHI-KU, TOKYO, JAPAN

CHEMICAL NAME AND SYNONYMS  
Carbon Dioxide

TRADE NAME AND SYNONYMS

CHEMICAL FAMILY

FORMULA  
CO2

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

## SECTION III - PHYSICAL DATA

BOILING POINT (°C)	-78.5	SPECIFIC GRAVITY (H <sub>2</sub> O=1) (at 0°C, kg/l)	0.925
VAPOR PRESSURE (mm Hg) (at 31°C, atm)	72.9	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)	1.529	EVAPORATION RATE (at 20°C)	
SOLUBILITY IN WATER (at 12.4°C, 1 atm)	1.086		
APPEARANCE AND ODOR	COLORLESS GAS - WEAK IRRITANT ODOR		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	LC50	LC10
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

Post-It™ brand fax transmittal memo

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Dept.			Minneapolis, MN 55418
			Phone: 612-920-7393
			Fax: 612-920-2947

**SECTION V - HEALTH HAZARD DATA**

**THRESHOLD LIMIT VALUE** Workers may be exposed during an 8-hour workday and 40-hour work-week without adverse effects

**EFFECTS OF OVEREXPOSURE** Anoxia

**EMERGENCY AND FIRST AID PROCEDURES**

**BREATHE OXYGEN OR AIR TO VENTILATE LUNGS**

**SECTION VI - REACTIVITY DATA**

<b>STABILITY</b>	<b>UNSTABLE</b>		<b>CONDITIONS TO AVOID</b>
	<b>STABLE</b>		

**INCOMPATIBILITY (Materials to avoid)**

**HAZARDOUS DECOMPOSITION PRODUCTS**

<b>HAZARDOUS POLYMERIZATION</b>	<b>MAY OCCUR</b>		<b>CONDITIONS TO AVOID</b>
	<b>WILL NOT OCCUR</b>		

**SECTION VII - SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

**VENTILATE AREA**

**WASTE DISPOSAL METHOD**

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION (Specify type)**

<b>VENTILATION</b>	<b>LOCAL EXHAUST</b>	<b>SPECIAL</b>
	<b>MECHANICAL (General)</b>	

**PROTECTIVE GLOVES** NONE **EYE PROTECTION**

**OTHER PROTECTIVE EQUIPMENT**

**SECTION IX - SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

**STORE AT TEMPERATURE BELOW 40 °C**

**OTHER PRECAUTIONS**