

**ITEM: 6KN88 - Marking Paint Caution Blue 17 oz.****MSDS: A1371****ORDER: 0126346637****LP NUMBER: U854789200****MATERIAL SAFETY DATA SHEET (MSDS)****This MSDS should be attached or kept with the respective product with which it is associated.**\*\*\*\*\*  
**MATERIAL SAFETY DATA SHEET - A1371**Associated Grainger Items  
6KN88

MATERIAL SAFETY DATA SHEET

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**PRODUCT NAME : CAUTION BLUE SPRAY PAINT  
IDENTIFICATION NUMBER: 1625 838  
DATE PRINTED : 02/14/01

PRODUCT USE/CLASS : INDUSTRIAL CHOICE SPRAY ENAMEL

SUPPLIER: RUST-OLEUM CORPORATION  
11 HAWTHORN PARKWAY  
VERNON HILLS, ILLINOIS  
60061 USA  
MANUFACTURER: RUST-OLEUM CORPORATION  
11 HAWTHORN PARKWAY  
VERNON HILLS, ILLINOIS  
60061 USA  
(847) 367-7700 RUST-OLEUM CORP.  
8:00 AM-4:30 PM/24-HR EMER.ASSIST  
(847) 367-7700 RUST-OLEUM CORP.  
8:00 AM-4:30 PM/24-HR EMER.ASSIST

PREPARED: MIM, PHONE: 847-816-2445, PREPARE DATE: 02/13/01

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

ITEM	CHEMICAL NAME	CAS NUMBER	LESS THAN	WT/WT %
01	LIQUIFIED PETROLEUM GAS	68476-85-7		30.0 %
02	CALCIUM CARBONATE (LIMESTONE)	1317-65-3		25.0 %
03	XYLENE	1330-20-7		15.0 %
04	VM&P NAPHTHA	64742-89-8		15.0 %
05	TOLUENE	108-88-3		15.0 %
06	TITANIUM DIOXIDE	13463-67-7		5.0 %
07	ETHYLBENZENE	100-41-4		5.0 %

**EXPOSURE LIMITS**

ITEM	TLV-TWA	ACGIH TLV-STEL	PEL-TWA	OSHA PEL-CEILING	MEXICAN TLV-TWA	SKIN
01	1000 PPM	N.E.	1000 PPM	N.E.	N.E.	NO
02	10MG/M3	N.E.	15MG/M3	N.E.	N.E.	NO
03	100PPM	150PPM	100PPM	N.E.	100 PPM	YES
04	300 PPM	N.E.	300 PPM	N.E.	N.E.	NO
05	50 PPM	N.E.	200 PPM	300 PPM	N.E.	YES
06	10 MG/M3	N.E.	15 MG/M3	N.E.	N.E.	NO
07	100 PPM	125 PPM	100 PPM	N.E.	N.E.	YES

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

**SECTION 3 - HAZARDS IDENTIFICATION**\*\*\* EMERGENCY OVERVIEW \*\*\*: HARMFUL IF INHALED. HARMFUL IF SWALLOWED.  
EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPORS MAY CAUSE FLASH FIRE OR  
EXPLOSION. HARMFUL IF INHALED. MAY EFFECT THE BRAIN OR NERVOUS SYSTEM  
CAUSING  
DIZZINESS, HEADACHE OR NAUSEA. CONTENTS UNDER PRESSURE.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: CAUSES EYE IRRITATION.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: SUBSTANCE MAY CAUSE SLIGHT SKIN  
IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN IRRITATION.EFFECTS OF OVEREXPOSURE - INHALATION: HARMFUL IF INHALED. HIGH GAS,  
VAPOR, MIST OR DUST CONCENTRATIONS MAY BE HARMFUL IF INHALED. AVOID  
BREATHING VAPORS OR MISTS. HIGH VAPOR CONCENTRATIONS ARE IRRITATING TO  
THE  
EYES, NOSE, THROAT AND LUNGS.EFFECTS OF OVEREXPOSURE - INGESTION: SUBSTANCE MAY BE HARMFUL IF  
SWALLOWED. ASPIRATION HAZARD IF SWALLOWED; CAN ENTER LUNGS AND CAUSE  
DAMAGE.EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:  
MAY CAUSE CENTRAL NERVOUS SYSTEM DISORDER (E.G., NARCOSIS INVOLVING A LOSS OF  
COORDINATION, WEAKNESS, FATIGUE, MENTAL CONFUSION, AND BLURRED VISION)  
AND/OR DAMAGE. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL  
OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.  
OVEREXPOSURE TO XYLENE IN LABORATORY ANIMALS HAS BEEN ASSOCIATED WITH LIVER  
ABNORMALITIES, KIDNEY, LUNG, SPLEEN, EYE AND BLOOD DAMAGE AS WELL AS  
REPRODUCTIVE DISORDERS. EFFECTS IN HUMANS, DUE TO CHRONIC OVEREXPOSURE, HAVE  
INCLUDED LIVER, CARDIAC ABNORMALITIES AND NERVOUS SYSTEM DAMAGE.  
OVEREXPOSURE TO TOLUENE IN LABORATORY ANIMALS HAS BEEN ASSOCIATED WITH LIVER  
ABNORMALITIES, KIDNEY, LUNG AND SPLEEN DAMAGE. EFFECTS IN HUMANS HAVE  
INCLUDED LIVER AND CARDIAC ABNORMALITIES.

PRIMARY ROUTE(S) OF ENTRY: INHALATION EYE CONTACT

**SECTION 4 - FIRST AID MEASURES**FIRST AID - EYE CONTACT:  
HOLD EYELIDS APART AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.  
GET MEDICAL ATTENTION.FIRST AID - SKIN CONTACT:  
WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR  
PERSISTS.FIRST AID - INHALATION:  
IF YOU EXPERIENCE DIFFICULTY IN BREATHING, LEAVE THE AREA TO OBTAIN FRESH  
AIR. IF CONTINUED DIFFICULTY IS EXPERIENCED, GET MEDICAL ASSISTANCE  
IMMEDIATELY.

FIRST AID - INGESTION:

ASPIRATION HAZARD: DO NOT INDUCE VOMITTING OR GIVE ANYTHING BY MOUTH BECAUSE  
THIS MATERIAL CAN ENTER THE LUNGS AND CAUSE SEVERE LUNG DAMAGE. GET  
IMMEDIATE MEDICAL ATTENTION.**SECTION 5 - FIRE FIGHTING MEASURES**

FLASH POINT: -99 F

LOWER EXPLOSIVE LIMIT: 0.9 %  
UPPER EXPLOSIVE LIMIT: 9.5 %

AUTOIGNITION TEMPERATURE: N.D.

EXTINGUISHING MEDIA: DRY CHEMICAL FOAM

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**FLASH POINT IS LESS THAN 20 DEG. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR!  
WATER SPRAY MAY BE INEFFECTIVE. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED  
TO EXTREME HEAT DUE TO BUILDUP OF STEAM. CLOSED CONTAINERS MAY EXPLODE WHEN  
EXPOSED TO EXTREME HEAT. VAPORS MAY FORM EXPLOSIVE MIXTURES WITH AIR. VAPORS  
CAN TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. KEEP CONTAINERS TIGHTLY  
CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME.  
PERFORATION OF THE PRESSURIZED CONTAINER MAY CAUSE BURSTING OF THE CAN.  
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.**SPECIAL FIREFIGHTING PROCEDURES:**

EVACUATE AREA AND FIGHT FIRE FROM A SAFE DISTANCE.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: EVACUATE THE  
AREA, REMOVE ALL SOURCES OF IGNITION AND VENTILATE WELL. CONTAIN SPILLED  
LIQUID WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS  
SAWDUST. REMOVE ALL SOURCES OF IGNITION, VENTILATE AREA AND REMOVE WITH  
INERT ABSORBENT AND NON-SPARKING TOOLS. DISPOSE OF ACCORDING TO LOCAL,  
STATE (PROVINCIAL) AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED  
CONTAINERS.**SECTION 7 - HANDLING AND STORAGE****HANDLING:**WASH THOROUGHLY AFTER HANDLING. WASH HANDS BEFORE EATING. USE ONLY IN A  
WELL-VENTILATED AREA. FOLLOW ALL MSDS/LABEL PRECAUTIONS EVEN AFTER CONTAINER  
IS EMPTIED BECAUSE IT MAY RETAIN PRODUCT RESIDUES. AVOID BREATHING VAPOR OR  
MIST.**STORAGE:**KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT,  
SPARKS AND OPEN FLAME. DO NOT STORE ABOVE 120 DEGREES F. STORE LARGE  
QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NFPA CLASS I  
FLAMMABLE LIQUIDS. CONTENTS UNDER PRESSURE. DO NOT EXPOSE TO HEAT OR STORE  
ABOVE 120 DEGREES F.**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING CONTROLS:**USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING  
CONTROLS TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS. USE  
EXPLOSION-PROOF VENTILATION EQUIPMENT. PREVENT BUILD-UP OF VAPORS BY OPENING  
ALL DOORS AND WINDOWS TO ACHIEVE CROSS-VENTILATION.**RESPIRATORY PROTECTION:**A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA 1910.134 AND ANSI Z88.2  
REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A  
RESPIRATOR'S USE. A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR WITH AN  
ORGANIC VAPOR CARTRIDGE OR CANISTER MAY BE PERMISSIBLE UNDER CERTAIN  
CIRCUMSTANCES WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED TO EXCEED EXPOSURE  
LIMITS. PROTECTION PROVIDED BY AIR PURIFYING RESPIRATORS IS LIMITED. USE A  
POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR IF THERE IS ANY POTENTIAL FOR AN  
UNCONTROLLED RELEASE, EXPOSURE LEVELS ARE NOT KNOWN, OR ANY OTHER  
CIRCUMSTANCES WHERE AIR PURIFYING RESPIRATORS MAY NOT PROVIDE ADEQUATE  
PROTECTION.SKIN PROTECTION: USE IMPERVIOUS GLOVES TO PREVENT SKIN CONTACT AND  
ABSORPTION OF THIS MATERIAL THROUGH THE SKIN. NITRILE OR NEOPRENE GLOVES  
MAY AFFORD ADEQUATE SKIN PROTECTION.EYE PROTECTION: USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH O  
LIQUIDS.OTHER PROTECTIVE EQUIPMENT: REFER TO SAFETY SUPERVISOR OR INDUSTRIAL  
HYGIENIST FOR FURTHER INFORMATION REGARDING PERSONAL PROTECTIVE EQUIPMENT  
AND ITS APPLICATION.HYGIENIC PRACTICES: WASH THOROUGHLY WITH SOAP AND WATER BEFORE EATING,  
DRINKING OR SMOKING.**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**BOILING RANGE : -34 - 285 F VAPOR DENSITY : IS HEAVIER THAN AIR  
ODOR : SOLVENT ODOR THRESHOLD : N.D.  
APPEARANCE : LIQUID EVAPORATION RATE: IS FASTER THAN EITHER  
SOLUBILITY IN H2O : SLIGHT  
FREEZE POINT : N.D. SPECIFIC GRAVITY: 0.8765  
VAPOR PRESSURE : N.D. PH @ 0.0 % : N.D.  
PHYSICAL STATE : LIQUID VISCOSITY : N.D.  
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.D.

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

**SECTION 10 - STABILITY AND REACTIVITY**CONDITIONS TO AVOID: AVOID TEMPERATURES ABOVE 120 DEGREES F. AVOID ALL  
POSSIBLE SOURCES OF IGNITION.INCOMPATIBILITY: INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS  
AND STRONG ALKALIES.

HAZARDOUS DECOMPOSITION PRODUCTS: BY OPEN FLAME, CARBON MONOXIDE AND CARBON DIOXIDE. WHEN HEATED TO DECOMPOSITION IT EMITS ACRID SMOKE AND IRRITATING FUMES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

#### SECTION 11 - TOXICOLOGICAL PROPERTIES

COMPONENT TOXICOLOGICAL INFORMATION:

CHEMICAL NAME	LD50	LC50
LIQUIFIED PETROLEUM GAS	N.E.	N.E.
CALCIUM CARBONATE (LIMESTONE)	NO INFORMATION	NO INFORMATION
XYLENE	RAT 4300MG/KG	RAT 5000PPM 4HR
VM&P NAPHTHA	N.D.	N.D.
TOLUENE	RAT 5000MG/KG	MOUSE 5320PPM 8HR
TITANIUM DIOXIDE	24000MG/KG RATS	6820MG/M3 RATS
ETHYLBENZENE	RAT 3500MG/KG	N.A.

#### SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: PRODUCT IS A MIXTURE OF LISTED COMPONENTS. ACCORDING TO OUR RAW MATERIAL SUPPLIERS, ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY AS REQUIRED OR MEET THE POLYMER EXEMPTION AS DEFINED IN SECTION 5.5.2 OF THE TOXIC SUBSTANCES CONTROL ACT.

#### SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: DISPOSE OF MATERIAL IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS AND ORDINANCES. DO NOT ALLOW TO ENTER STORM DRAINS OR SEWER SYSTEMS.

#### SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: AEROSOL

DOT TECHNICAL NAME:

DOT HAZARD CLASS: 2.1

HAZARD SUBCLASS: 1

DOT UN/NA NUMBER: UN1950

PACKING GROUP:

RESP. GUIDE PAGE: 126

#### SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: HAZARDOUS BY DEFINITION OF HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:  
THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA 'HAZARD CATEGORIES' PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD

SARA SECTION 313:  
THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

CHEMICAL NAME	CAS NUMBER	WT/WT % IS LESS THAN
XYLENE	1330-20-7	15.0 %
TOLUENE	108-88-3	15.0 %
ETHYLBENZENE	100-41-4	5.0 %

U.S. STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW:  
THE FOLLOWING MATERIALS ARE NON-HAZARDOUS, BUT ARE AMONG THE TOP FIVE COMPONENTS IN THIS PRODUCT:

CHEMICAL NAME	CAS NUMBER
RESIN SOLUTION	NOT AVAILABLE

PENNSYLVANIA RIGHT-TO-KNOW:  
THE FOLLOWING NON-HAZARDOUS INGREDIENTS ARE PRESENT IN THE PRODUCT AT GREATER THAN 3%:

CHEMICAL NAME	CAS NUMBER
RESIN SOLUTION	NOT AVAILABLE

CALIFORNIA PROPOSITION 65:  
WARNING: THE CHEMICAL(S) NOTED BELOW AND CONTAINED IN THIS PRODUCT, ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:

CHEMICAL NAME	CAS NUMBER
TOLUENE	108-88-3

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT REGULATIONS EXCEPT FOR USE OF THE 16 HEADINGS.

CANADIAN WHMIS CLASS: A B5 D2A D2B

#### SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2\*  
FLAMMABILITY: 4  
REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 12/19/00

REASON FOR REVISION:

LEGEND: N.A. - NOT APPLICABLE, N.E. - NOT ESTABLISHED,  
N.D. - NOT DETERMINED

:NO INFORMATION.

THE INFORMATION CONTAINED ON THIS MSDS HAS BEEN CHECKED AND SHOULD BE ACCURATE. HOWEVER, IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.