

Material Safety Data Sheet

24 Hour Assistance
1-847-367-7700
Rust-Oleum Corporation
www.rustoleum.com

Section 1 – Chemical Product / Company Information

Product Name	Rust Inhibitor	Revision Date	07/08/2005
Identification Number	224284		
Sku Number	224284		
Product Use/Class	Rust Inhibiting Spray		
Supplier	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA	Manufacturer	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA
Preparer	Regulatory Department		

Section 2 – Composition/ Identification Ingredients

Hazardous Ingredients	%	Exposure Limits	C.A.S.#	LD/50, Route, Species	LC/50 Route, Species
PETROLEUM LUBE OIL	<8%	5mg/m3 Oil mist Only	64742-65-0	NOT APPLICABLE	NOT APPLICABLE
ALIPHATIC PETROLEUM DISTILLATES	<18%	100ppm TWA VPEL	64742-88-7	NOT APPLICABLE	NOT APPLICABLE
SYNTHETIC ISOPARAFINIC HYDROCARBON	<49%	N/A	115-10-64742-47-8	NOT APPLICABLE	NOT APPLICABLE
PETROLEUM HYDROCARBON	<32%	5MG/M3	64742-62-7	NOT APPLICABLE	NOT APPLICABLE

Section 3 – Hazards Identification

EFFECTS OF OVEREXPOSURE.....

INHALATION : SHORTNESS OF BREATH, DIZZINESS AND LIGHTHEADEDNESS.
EYE..... CAN CAUSE IRRITATION.
SKIN..... SLIGHT IRRITATION AND CAN CAUSE DERMATITIS.
INGESTION..... MAY CAUSE CHEMICAL PNEUMONIA ID ASIPATED INTO LUNG.
PRIMARY ROUTE(S) OF ENTRY..... SKIN CONTACT, SKIN ABSORPTION, INHALATION, INGESTION, EYE CONTACT.
ACTIVE TOXICITY..... NOT DETERMINED.

EFFECTS OF OVEREXPOSURE, SYNTHETIC ISOPARAFINIC HYDROCARDON:

EYE CONTACT..... MAY CAUSE SLIGHT IRRITATION.
SKIN CONTACT..... REPEATED OR PROLONGED CONTACT MAY CAUSE REDNESS OR IRRITATION.
INHALATION..... MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT, EXTREME ASPIRATION MAY CAUSE PNEUMONIA OR DEATH.
INGESTION..... CAUSES IRRITATION OF THE STOMACH AND INTESTINES.

CARCINOGENICITY..... NOT DETERMINED.
CHRONIC PROLONGED EXPOSURE ABOVE THE OSHA PERMISSIBLE EXPOSURE LIMITD (PEL) MAY RESULT IN KIDNEY AND LIVER DAMAGE.

ROUTE OF ENTRY

INGESTION..... ETHYLENE GLYCOL MONOBUTYL ETHER MAY CAUSE RED BLOOD CELL HEMOLYSIS AND POSSIBLE LIVER AND KIDNEY DAMAGE. MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.
INHALATION..... INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIAN

EYE CONTACT.....	ETHYLENE GLYCOL MONOBUTYL ETHER MAY CAUSE MODERATE IRRITATION AND POSSIBLE CORNEAL INJURY.
SKIN ABSORPTION.....	ETHYLENE GLYCOL MONOBUTYL ETHER PENETRATES SKIN READILY, FREQUENT OR WIDE SPREAD CONTACT MAY RESULT IN THE ABSORPTION OF POTENTIALLY HARMFUL AMOUNTS, SIGNS AND SYMPTOMS OF TOXICITY ARE SIMILAR TO THOSE OF SWALLOWING.
SKIN CONTACT.....	MAY CAUSE IRRITATION.
EFFECTS OF ACUTE EXPOSURE.....	DIZZINESS, NAUSEA, IRRITATION TO SKIN & EYES.
EFFECTS OF CHRONIC EXPOSURE.....	ETHYLENE GLYCOL MONOBUTYL ETHER MAY CAUSE HEMOLYSIS RED BLOOD CELLS LEADING TO POSSIBLE LIVER AND KIDNEY DAMAGE SOLVENTS MAY CAUSE DEFATTING DERMATITIS.
EXPOSURE LIMIT OF MATERIAL.....	SEE SECTION 2

Section 4 – First Aid Measures

EMERGENCY FIRST AID PROCEDURES.....	IN THE CASE OF CONTACT, IMMEDIATELY FLUSH SKIN OR EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, FOR EYES GET MEDICAL ATTENTION, IN CASE OF INGESTION, INDUCE VOMITING IF PATIENT IS ALERT, CALL PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY.
INHALATION.....	REMOVE INDIVIDUAL TO FRESH AIR. GIVE OXYGEN IF BREATHING IS LABORED. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP THE PERSON WARM, QUIET, AND SEEK MEDICAL ATTENTION.
EYES.....	FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 20 MINUTES. LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION.
SKIN.....	THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER.
IF SWALLOWED.....	DO NOT INDUCE VOMITTING. IMMEDIATELY DRINK TWO GLASSES OF WATER. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.

Section 5 – Fire Fighting Measures

AUTO IGNITION TEMPERATURE (C)	NOT APPLICABLE
FIRE FIGHTING.....	WATER MAY BE USED COOL CLOSED CONTAINER TO PREVENT PRESSURE BUILD UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.
FIRE EQUIPMENT.....	WEAR A FULL FACE POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS (SCBA) WHEN FIGHTING FIRE.
FIRE/EXPLOSION HAZARD.....	MATERIAL IS HIGHLY VOLATILE AND READILY GIVES OFF VAPORS WHICH MAY TRAVEL ALONG THE GROUND AND IGNITED BY PILOT LIGHTS, FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE OR OTHER IGNITION SOURCE DISTANT FROM THE HANDLING POINT.
BURNING CAN PRODUCE.....	CARBON MONOXIDE AND/OR CARBON DIOXIDE AND TRACES OF PHOSGENE GAS.
FLAMMABILITY.....	NOT A FLAMMABLE PRODUCT (AS PER CANADIAN AEROSOL REGULATIONS).
IF YES, UNDER WHICH CONDITION?	EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
EXTINGUISHING MEDIA.....	ALCOHOL FOAM, CO ₂ , DRY CHEMICAL, FOAM OR WATER FOG
FLASH POINT (C), TAG CLOSED CUP GAP.....	NOT APPLICABLE
UPPER FLAMMABLE LIMIT.....	NOT APPLICABLE
(% BY VOLUME)	
LOWER FLAMMABLE LIMIT.....	NOT APPLICABLE.
(% BY VOLUME)	
EXPLOSION DATA	
SENSITIVITY TO STATIC DISCHARGE.....	NOT APPLICABLE
SENSITIVITY TO IMPACT.....	NOT APPLICABLE
HAZARDOUS COMBUSTION PRODUCTS.....	HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE
AEROSOL FLAME PRODUCTION CLASSIFIED AS:	NOT APPLICABLE.

FLASHBACK..... NOT APPLICABLE

Section 6 – Accidental Release Measures

LEAK/SPILL	REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND NON-SPARKING TOOLS. VENTILATE AREA, PREVENT FROM ENTERING A WATERCOURSE.
GENERAL AERA SPILLS PROCEDURE:	ISOLARE SPILL OR LEAK AREA IMMEDIATELY. KEEP UNAUTHORIZED PERSONNEL AWAY. VENTURE AREA AND ELIMINATE ALL IGNITION SOURCES.
SMALL SPILLS	CLEAN UP WITH INERT MATERIALS AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
LARGE SPILLS	DIKE AHEAD OF SPILL FOR LATER DISPOSAL. DO NOT DISCHARFE OF THIS PRODUCT INTO LAKES, STREAMS, OR OTHER WATERS UNLESS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.

Section 7 – Handling And Storage

STORAGE NEEDS.....	KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DO NOT STORE IN DIRECT SUNLIGHT, NEAR OPEN FLAMES/SPARK OR AT TEMPERATURE EXCEEDING 120F.
STORAGE NEEDS.....	KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DO NOT STORE IN DIRECT SUNGLIGHT, NEAR OPEN FLAME/SPARKS OR AT TEMPERATURES EXCEDDING 120F.
ENGINEERING CONTROLS.....	VENTILATION-LOCAL (MECHANICAL IF USED INDOOR ON A CONTINOUS BASIS).
HANDELING PROCEDURES AND EQUIPMENT.....	STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.
SYNERGISTIC MATERIALS.....	NOT REQUIRED.

Section 8 – Exposure Controls / Personal Protection

GLOVES/TYPE.....	WEAR CHEMICAL RESISTANT GLOVES.
RESPIRATORY/TYPE.....	IF USED INDOORS ON A CONTINUOUS BASIS, USE A CARTRIDGE TYPE RESPIRATOR (NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.
EYE/TYPE.....	SAFETY GLASSES.
FOOTWEAR/TYPE.....	NOT NORMALLY REQUIRED.
OTHER/TYPE.....	NOT REQUIRED.

Section 9 – Physical And Chemical Properties

PHYSICAL STATE.....	NOT AVAILABLE
APPEARANCE.....	AEROSOL SPRAY
ODER.....	SOLVENT
ODER THRESHOLD.....	NOT AVAILABLE
VAPOUR PRESSURE(PSIG)-AEROSOL.....	NOT AVAILABLE
@ 20 C	
BOILING POINT (C)(CONC)	NOT AVAILABLE
EVAPORATION RATE.....	IS SLOWER THAN ETHER.
n-BUTYL ACETATE=1	
VAPOUR DENSITY (AIR=1)	NOT AVAILABLE
(BY WEIGHT)	
SOLUBILITY IN WATER.....	NOT AVAILABLE
pH.....	NOT AVAILABLE
SPECIFIC GRAVITY (LIQUID)	NOT AVAILABLE.
COEFFICIENT OF WATER/OIL DIST.....	NOT AVAILABLE.
FREEZING POINT: (C)	NOT AVAILABLE.
AEROSOL PERCENT VOLATILE.....	NOT AVAILABLE.
(BY WEIGHT).	
SPECIFIC GRAVITY (AEROSOL)	NOT AVAILABLE

AEROSOL PERCENT VOC (W/W) NOT AVAILABLE.

Section 10– Stability And Reactivity

HAZARDOUS PRODUCTS OF DECOMPOSITION..... HYRPCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

STABLE..... UNDER NORMAL CONDITIONS. KEEP AWAY FROM HEAT, SPARK, OR OPEN FLAMES.

ADVOID CONTACT WITH..... STRONG OXIDIZING AGENTS.

BURNING CAN PRODUCE..... CARBON MONOXIDE AND/OR CARDON DIXIDE AND TRACES OF PHOSGENE GAS.

HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

Section 10– Stability And Reactivity

HAZARDOUS PRODUCTS OF DECOMPOSITION..... HYRPCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

CHEMICAL STABILITY:

YES..... UNDER NORMAL CONDITIONS.

NO, WHICH CONDITIONS?..... NOT APPLICABLE.

COMPATABILITY WITH OTHER SUBSTANCES:

NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.

REACTIVITY CONDITIONS?..... NOT APPLICABLE

HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

Section 11 – Toxicological Information

TOXICOLOGY..... NOT AVAILABLE

REPRODUCTIVE EFFECTS... ..NO INFORMATION IS AVAILABLE AND NO ADVERSE REPRODUCTIVE EFFECTS ARE ANTICIPATED.

IRRITANCY OF MATERIAL... ..SKIN/EYE IRRITANT.

SENSITIVITIZING CAPABILITY OF MATERIAL..... UNKNOWN.

CARCINOGENICITY OF MATERIAL... ..THE INGREDIENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP, (NATIONAL TOXICOLOGY PROGRAM), NOT REGULATED AS CARCINOGENS BY OSHA, (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), AND HAVE NOT BEEN EVALUATED BY IARC, (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER), NOR BY ACGIH (AMERICAN CONFERENCE OF GOVERNMENT INDUSTRIAL HYGIENISTS).

TERATOGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.

MUTAGENICITY... ..NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.

Section 12 – Ecological Information

ENVIRONMENTALNOT AVAILABLE

Section 13 – Disposal Information

WASTE DISPOSAL..... DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY, DISPOSE OF IN ACCORDANCE EITH LOCAL, PROVINCIAL AND FEDERAL, REGULATIONS.

WASTE DISPOSAL..... EMPTY AEROSOL CONTAINERS MAY BE DISPOSED OF THROUGHNORMAL CHANNELS. FULL OR PARTIALLY FULL CONTAINERS ARE CONSIDERED HAZARDOUS WASTE AND MUST BE DISPOSED OF ACCORDINGLY.

Section 14 – Transportation Information

FOR DOT REGULATORY INFORMATION..... IF REQUIRED, CONSULT TRANSPORTATION REGULATIONS OF PRODUCT SHIPPING PAPERS.
DOT CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.

Section 15 – Regulatory Information

ALL INGREDIENTS ARE ON THE TSCA INVENTORY OR ARE NOT REQUIRED TO BE LISTED ON THE TSCA INVENTORY.

WHMIS CLASSIFICATION A,D1A,D2A,D2B.
HMIS RATING HEALTH2 MODERATE HAZARD.
HMIS RATING FLAMMABILITY.....1 SLIGHT HAZARD.
HMIS RATING REACTIVITY..... 1 SLIGHT HAZARD.
NFPA CODE 30B..... LEVEL 1.
CNFC SECTION 3.3.5 LEVEL 1.

Section 16 – Other 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.

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING VAPORS AND INHALING CONTENTS CAN BE HARMFUL OR FATAL.
DISCLAIMER: THE FORGOING INFORMATION HAS BEEN COMPLIED FROM SOURCES BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE. RECIPIENTS ARE ACCURATE BUT IS NOR WITHOUT NOTICE. IT IS THE RESPONSIBILITY OF THE RECIPIENT TO ASSURE THAT THEIR PERSONNEL HAS BEEN NOTIFIED OF ANY CHANGES WITH MAY AFFECT THEM. THE DATA PROVIDED ON THIS MSDS ARE NOT MEAN TO BE USED AS SPECIFICATIONS, ONLY AS GUIDELINE INFORMATION AS TO THE SAFE USE OF THIS PRODUCT. THE USER SHOULD REFER TO APPLICABLE LAWS BEFORE USE. THIS MSDS COMPLIES WITH BUIDELINES SET BY 29CFR1910.1200