

3/31/05

ITEM: 6H028 - PAINT LIGHT GRAY 1 G

ORDER: 0196661772

DROP LOCATION: P1\_901

MSDS: A4561

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 - A4561

THIS MATERIAL CAN ENTER THE LUNGS AND CAUSE SEVERE LUNG DAMAGE. GET IMMEDIATE MEDICAL ATTENTION.

ated Grainger Items

SECTION 5 - FIRE FIGHTING MEASURES

MATERIAL SAFETY DATA SHEET

FLASH POINT: 104 F (SCC)

24 HOUR ASSISTANCE: -847-367-7700 JST-OLEUM CORP. WWW.RUSTOLEUM.COM

LOWER EXPLOSIVE LIMIT: 1.0 % UPPER EXPLOSIVE LIMIT: 22. %

SECTION 1 - CHEMICAL PRODUCT/COMPANY INFORMATION

EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, WATER FOG

PRODUCT NAME: SEMI-GLOSS LIGHT NEUTRAL GRAY

UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS MAY FORM EXPLOSIVE MIXTURES WITH AIR. VAPORS CAN TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME.

IDENTIFICATION NUMBER: 7280402

SPECIAL FIREFIGHTING PROCEDURES: EVACUATE AREA AND FIGHT FIRE FROM A SAFE DISTANCE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILDUP AND POSSIBLE AUTOIGNITION OR EXPLOSION.

PRODUCT USE/CLASS: INDUSTRIAL ENAMEL

SUPPLIER: JST-OLEUM CORPORATION 1 HAWTHORN PARKWAY BRN HILLS, IL 60061 USA

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PREPARER: KAMMINGA, LOIS REVISION DATE: 05/17/2002

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: ELIMINATE ALL IGNITION SOURCES; USE EXPLOSION-PROOF EQUIPMENT. PLACE MATERIAL IN A CONTAINER AND DISPOSE OF ACCORDING TO LOCAL, PROVINCIAL, STATE AND FEDERAL REGULATIONS. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST.

MANUFACTURER: JST-OLEUM CORPORATION 1 HAWTHORN PARKWAY BRN HILLS, IL 60061 USA

SECTION 7 - HANDLING AND STORAGE

HANDLING: FOLLOW ALL MSDS/LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED BECAUSE IT MAY RETAIN PRODUCT RESIDUES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. WASH HANDS BEFORE EATING.

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

STORAGE: KEEP AWAY FROM HEAT, SPARKS, FLAME AND SOURCES OF IGNITION. KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Table with 4 columns: CHEMICAL NAME, CAS NUMBER, WEIGHT% LESS THAN, ACGIH TLV-TWA. Lists ingredients like TOLUENE, XYLENE, and various solvents.

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.

Table with 4 columns: CHEMICAL NAME, ACGIH TLV-STEL, OSHA PEL-TWA, OSHA PEL-CEILING. Lists ingredients like TOLUENE, XYLENE, and various solvents.

RESPIRATORY PROTECTION: 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.

SECTION 3 - HAZARDS IDENTIFICATION

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.

EMERGENCY OVERVIEW: HARMFUL IF INHALED. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. HIGH VAPOR CONCENTRATIONS CAN IRRITATE EYES, NOSE AND RESPIRATORY PASSAGES. CAUSES NOSE AND THROAT IRRITATION. FLAMMABLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION.

SKIN PROTECTION: NITRILE OR NEOPRENE GLOVES MAY AFFORD ADEQUATE SKIN PROTECTION. USE IMPERVIOUS GLOVES TO PREVENT SKIN CONTACT AND ABSORPTION OF THIS MATERIAL THROUGH THE SKIN.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: CAUSES EYE IRRITATION.

EYE PROTECTION: USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION.

OTHER PROTECTIVE EQUIPMENT: REFER TO SAFETY SUPERVISOR OR INDUSTRIAL HYGIENIST FOR FURTHER INFORMATION REGARDING PERSONAL PROTECTIVE EQUIPMENT AND ITS APPLICATION.

EFFECTS OF OVEREXPOSURE - INHALATION: MAY CAUSE HEADACHES AND DIZZINESS. AVOID BREATHING VAPORS OR MISTS. HARMFUL IF INHALED. HIGH VAPOR CONCENTRATIONS ARE IRRITATING TO THE EYES, NOSE, THROAT AND LUNGS.

HYGIENIC PRACTICES: WASH THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING OR SMOKING.

EFFECTS OF OVEREXPOSURE - INGESTION: HARMFUL IF SWALLOWED. ASPIRATION HAZARD IF SWALLOWED; CAN ENTER LUNGS AND CAUSE DAMAGE.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: IARC LISTS ETHYLBENZENE AS A POSSIBLE HUMAN CARCINOGEN (GROUP 2B). 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 PROBLEMS. EFFECTS IN HUMANS, DUE TO CHRONIC OVEREXPOSURE, HAVE INCLUDED LIVER, CARDIAC ABNORMALITIES AND NERVOUS SYSTEM DAMAGE.

BOILING RANGE: 246-401 F

PRIMARY ROUTE(S) OF ENTRY: SKIN ABSORPTION, INHALATION, EYE CONTACT

ODOR: SOLVENT

APPEARANCE: LIQUID

SOLUBILITY IN H2O: INSOLUBLE

FREEZE POINT: ND

VAPOR PRESSURE: ND

PHYSICAL STATE: LIQUID

VAPOR DENSITY: HEAVIER THAN AIR

ODOR THRESHOLD: ND

EVAPORATION RATE: SLOWER THAN ETHER

SPECIFIC GRAVITY: 1.217

pH: NE

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: HOLD EYELIDS APART AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

FIRST AID - SKIN CONTACT: WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

FIRST AID - INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET IMMEDIATE MEDICAL ATTENTION.

FIRST AID - INGESTION: ASPIRATION HAZARD: DO NOT INDUCE VOMITTING OR GIVE ANYTHING BY MOUTH BECAUSE

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: AVOID ALL POSSIBLE SOURCES OF IGNITION.

INCOMPATIBILITY:  
INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS AND STRONG ALKALIES.

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

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

SECTION 11 - TOXICOLOGICAL INFORMATION

PRODUCT LD50: ND

PRODUCT LC50: ND

CHEMICAL NAME	LD50	LC50
STODDARD SOLVENTS	4900 MG/KG (RAT)	N.E.
CALCIUM CARBONATE	ND	ND
TITANIUM DIOXIDE	7500 MG/KG RATS	
MAGNESIUM SILICATE - TALC	NONE	NONE
ETHYLBENZENE	RAT 3500 MG/KG	N.A.
m-XYLENE	5 G/KG RAT ORAL	4550 PPM/4HR RAT
p-XYLENE	5 G/KG ORAL RAT	6125 PPM/12HR RAT

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: PRODUCT IS A MIXTURE OF LISTED COMPONENTS.

SECTION 13 - DISPOSAL INFORMATION

DISPOSAL INFORMATION:  
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: PAINT

DOT TECHNICAL NAME: -

DOT HAZARD CLASS: 3

DOT UN/NA NUMBER: UN1263

PACKING GROUP: III

HAZARD SUBCLASS: -

RESP. GUIDE PAGE: 127

SECTION 15 - REGULATORY INFORMATION

PERMITS - 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:  
LISTED BELOW ARE THE SUBSTANCES (IF ANY) CONTAINED IN THIS PRODUCT THAT ARE  
SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE  
SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

CHEMICAL NAME	CAS NUMBER
ETHYLBENZENE	100-41-4

TOXIC SUBSTANCES CONTROL ACT:

LISTED BELOW ARE THE SUBSTANCES (IF ANY) CONTAINED IN THIS PRODUCT THAT ARE  
SUBJECT TO THE REPORTING REQUIREMENTS OF TSCA 12 (B) IF EXPORTED FROM THE  
UNITED STATES:

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
ALKYD 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
ALKYD RESIN SOLUTION	NOT AVAILABLE

CALIFORNIA PROPOSITION 65:  
WARNING!  
THE FOLLOWING INGREDIENTS PRESENT IN THE PRODUCT ARE KNOWN TO THE STATE OF  
CALIFORNIA TO CAUSE CANCER:

CHEMICAL NAME	CAS NUMBER
ETHYLBENZENE	100-41-4

THE FOLLOWING INGREDIENTS PRESENT IN THE PRODUCT ARE KNOWN TO THE STATE OF  
CALIFORNIA TO CAUSE BIRTH DEFECTS, OR OTHER REPRODUCTIVE HAZARDS.

INTERNATIONAL REGULATIONS: AS FOLLOWS -

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

CANADIAN WHMIS CLASS: B3 D2B

SECTION 16 - OTHER INFORMATION

HMIS RATINGS:  
HEALTH 2(\*)  
FLAMMABILITY 2  
REACTIVITY 0  
PERSONAL PROTECTION X

VOLATILE ORGANIC COMPOUNDS, G/L: 427

REASON FOR REVISION:

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

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.