

WESCLEAN EQUIPMENT @ CLEANING SUPPLIES  
11450-149th STREET N.W.  
EDMONTON; AB; T5M 1W7  
CANADA

PRODUCT: 2362-05-X205 R4120500 REGARD HD OVEN CLEANER AERO



### Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER ..... MANUFACTURED FOR:  
WESCLEAN EQUIPMENT @ CLEANING SUPPLIES  
11450-149th STREET N.W.  
EDMONTON  
AB  
CANADA  
T5M 1W7  
780-451-1533

PRODUCT NAME..... 2362-05-X205 R4120500 REGARD HD OVEN CLEANER AERO  
PRODUCT..... X205.  
CHEMICAL FAMILY..... ORGANIC/INORGANIC.  
MOLECULAR WEIGHT..... NOT APPLICABLE.  
CHEMICAL FORMULA..... NOT APPLICABLE.  
TRADE NAMES & SYNONYMS..... 2362-05-X205 R4120500 REGARD HD OVEN CLEANER AERO  
PRODUCT USES..... CLEANER.  
FORMULA/LAB BOOK #..... F 05-116A.

### Section 02: COMPOSITION/INFORMATION INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
DIETHYLENE GLYCOL MONOBUTYL ETHER	7-13	100 ppm	112-34-5	6560 mg/kg ORAL-RAT	NOT AVAILABLE
SODIUM HYDROXIDE	1-5	2mg/m3	1310-73-2	1350mg/kg DERMAL RABBIT	NOT AVAILABLE
MONOETHANOLAMINE	1-5	3 ppm	141-43-5	2050 mg/kg ORAL - RAT	1000 mg/kg DERMAL - RABBIT
ISOBUTANE	1-5	1000 ppm	75-28-5	NOT APPLICABLE	142,500 ppm (4h) INHAL - RAT
PROPANE	1-5	1000 ppm	74-98-6	>5000 mg/kg DERMAL-RABBITS	NOT AVAILABLE

### Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:  
 INGESTION..... HARMFUL IF SWALLOWED.  
 INHALATION..... PROPELLANT IS A SIMPLE ASPHYXIANT. MISTS MAY BE IRRITATING.  
 EYE CONTACT..... SODIUM HYDROXIDE IS EXTREMELY CORROSIVE;CAUSES CORNEAL SCARRING AND CLOUDING. CONTAINS MATERIALS THAT ARE MODERATELY IRRITATING TO THE EYES.

SKIN ABSORPTION..... MAY CAUSE IRRITATION.  
 SKIN CONTACT..... SODIUM HYDROXIDE CAN CAUSE DEEP AND SEVERE SKIN BURNS, ULCERATION AND SCARRING.

EFFECTS OF ACUTE EXPOSURE..... DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES. MAY CAUSE DIZZINESS OR NARCOSIS IN HIGH VAPOR CONCENTRATION. WILL CAUSE DEFATTING OF SKIN. EFFECTS ARE REVERSIBLE. SEVERE OVER-EXPOSURE CAN RESULT IN DEATH. CAN BE FATAL IF INHALED OR INGESTED.

EFFECTS OF CHRONIC EXPOSURE..... REPEATED OR PROLONGED CONTACT WITH SPRAY MIST MAY PRODUCE CHRONIC EYE IRRITATION AND SEVER SKIN IRRITATION. REPEATED OR PROLONGED EXPOSURE TO SPRAY MIST MAY PRODUCE RESPIRATORY TRACT IRRITATION LEADING TO FREQUENT ATTACKS OF BRONCHIAL INFECTION.

### Section 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURE ..... IF IN CONTACT WITH EYES, FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CONTACT A PHYSICIAN IMMEDIATELY. IF IN CONTACT WITH THE SKIN, WASH WELL WITH WATER. IF INGESTED, DRINK LARGE VOLUMES OF MILK OR WATER. DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN IMMEDIATELY. IF BREATHING DIFFICULTY OCCURS, MOVE TO FRESH AIR.

### Section 05: FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE (°C)..... NOT AVAILABLE.  
 SPECIAL PROCEDURES..... WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.

FLAMMABILITY..... NOT A FLAMMABLE PRODUCT (AS PER CANADIAN AEROSOL REGULATIONS).  
 IF YES, UNDER WHICH CONDITIONS?..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.  
 EXTINGUISHING MEDIA..... WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

**PRODUCT: 2362-05-X205 R4120500 REGARD HD OVEN CLEANER AERO****Section 05: FIRE FIGHTING MEASURES**

UPPER FLAMMABLE LIMIT.....	24.6.
(% BY VOLUME)	
LOWER FLAMMABLE LIMIT.....	0.8.
(% 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 PROJECTION CLASSIFIED AS:.....	0 cm.
FLASHBACK.....	NONE.
FLASH POINT(°C),TAG CLOSED-CUP (CONCENTRATE).....	NOT APPLICABLE.

**Section 06: 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.
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**Section 07: HANDLING AND STORAGE**

STORAGE NEEDS.....	KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.
ENGINEERING CONTROLS.....	VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS).
HANDLING PROCEDURES AND EQUIPMENT.....	STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.
SYNERGISTIC MATERIALS.....	NONE KNOWN.

**Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE.....	AEROSOL.
APPEARANCE.....	BEIGE.
ODOR.....	MILD ETHEREAL.
ODOR THRESHOLD.....	NOT AVAILABLE.
VAPOUR PRESSURE(PSIG)-AEROSOL.....	35-45.
@ 20 C	
BOILING POINT (°C)(CONC).....	100°C APPROX.
EVAPORATION RATE.....	LESS THAN 1.
n-BUTYL ACETATE = 1	
VAPOUR DENSITY (AIR=1).....	GREATER THAN 1.
SOLUBILITY IN WATER g/L (20°C).....	SOLUBLE.
pH.....	12-14.
SPECIFIC GRAVITY (LIQUID).....	1.02-1.06.
COEFFICIENT OF WATER/OIL DIST.....	NOT AVAILABLE.
FREEZING POINT: (°C).....	0°C / 32°F APPROX.
AEROSOL PERCENT VOLATILE.....	85-86.
(BY WEIGHT).	
SPECIFIC GRAVITY (AEROSOL).....	0.95-0.99.

**Section 10: STABILITY AND REACTIVITY**

HAZARDOUS PRODUCTS OF.....	HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
CHEMICAL STABILITY:	
YES.....	UNDER NORMAL CONDITIONS.
NO, WHICH CONDITIONS?.....	NOT APPLICABLE.
COMPATIBILITY WITH OTHER SUBSTANCES:	
NO, WHICH ONES?.....	STRONG OXIDIZING AGENTS. STRONG ACIDS.
REACTIVITY CONDITIONS?.....	NOT APPLICABLE.

**Section 11: TOXICOLOGICAL INFORMATION**

REPRODUCTIVE EFFECTS.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE REPRODUCTIVE EFFECTS ARE ANTICIPATED.
IRRITANCY OF MATERIAL.....	SKIN/EYE IRRITANT.
SENSITIZING 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 GOVERNMENTAL INDUSTRIAL HYGIENISTS).
TERATOGENICITY.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.

**PRODUCT: 2362-05-X205 R4120500 REGARD HD OVEN CLEANER AERO****Section 11: TOXICOLOGICAL INFORMATION**

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

**Section 12: ECOLOGICAL CONSIDERATIONS**

ENVIRONMENTAL..... NOT AVAILABLE.

**Section 13: DISPOSAL CONSIDERATIONS**

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

**Section 14: TRANSPORTATION INFORMATION**

D.O.T. CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.  
T.D.G. CLASSIFICATION..... CONSUMER COMMODITY, AEROSOLS, UN1950 CLASS 2.2 (8).

**Section 15: REGULATORY INFORMATION****CANADIAN REGULATIONS:**

WHMIS CLASSIFICATION..... A,D2B,E.  
CNFC SECTION 3.3.5..... LEVEL 1.  
CEPA (Canadian Environmental Protection Act) ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE LISTED.

**U.S. REGULATIONS:**

HMIS RATING HEALTH..... 2 MODERATE HAZARD.  
HMIS RATING FLAMMABILITY..... 1 SLIGHT HAZARD.  
HMIS RATING REACTIVITY..... 1 SLIGHT HAZARD.  
HMIS RATING PERSONAL PROTECTION..... B.  
NFPA CODE 30B..... LEVEL 1.  
SARA 313 INFORMATION: THIS PRODUCT CONTAINS NO INGREDIENTS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.

CALIFORNIA PROPOSITION 65:.....  
CAS #: N/A. CHEMICAL NAME:  
THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986:  
WARNING: THIS PRODUCT DOES NOT INTENTIONALLY CONTAIN ANY CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

TSCA (Toxic Substances Control Act)..... ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.  
CAS #: N/A. CHEMICAL NAME:  
AEROSOL PERCENT VOC (w/w)..... 15-16.

**Section 16: OTHER INFORMATION**

NOTICE FROM WESCLEAN EQUIPMENT @ ..... THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY WESCLEAN EQUIPMENT @ CLEANING SUPPLIES FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. WESCLEAN EQUIPMENT @ CLEANING SUPPLIES. ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.  
PREPARED BY..... TECHNICAL SERVICES  
PREPARATION DATE ..... Jun10/11