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SDS

Common Name: COOLEDGE 6612C**Manufacturer:** CASTROL**SDS Revision Date:** 7/6/2005**SDS Format:** No Format Specified**Item Number(s):** 3VJ02**Manufacturer Model Number(s):**

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C
CASTROL

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME: COOLEDGE 6612C

MSDS #: 01004

CODE: 01004-AE

PRODUCT USE: LUBRICANT

MANUFACTURER:
CASTROL INDUSTRIAL NORTH AMERICA, INC.
150 W. WARRENVILLE ROAD
NAPERVILLE, IL 60563

SUPPLIER:
CASTROL INDUSTRIAL NORTH AMERICA, INC.
150 W. WARRENVILLE ROAD
NAPERVILLE, IL 60563
PRODUCT INFORMATION: 1-800-621-2661

EMERGENCY SPILL INFORMATION: 1(800)424-9300 CHEMTREC (USA)

2. COMPOSITION/INFORMATION ON INGREDIENTS



INGREDIENT NAME	CAS #	% BY WEIGHT
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (HIGHLY REFINED MINERAL OIL)	64742-52-5	65-70
HIGHLY REFINED MINERAL OIL (PROPRIETARY)	PROPRIETARY	5-10
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	1-5

3. HAZARDS IDENTIFICATION



PHYSICAL STATE: LIQUID.

COLOR: CLEAR. AMBER.

EMERGENCY OVERVIEW:

WARNING!

CAUSES EYE IRRITATION.

MAY CAUSE SKIN IRRITATION.

MAY CAUSE RESPIRATORY TRACT IRRITATION.

MAY CAUSE ALLERGIC SKIN REACTION.

AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WASH THOROUGHLY AFTER HANDLING. PROLONGED OR REPEATED CONTACT CAN DEFAT THE SKIN AND LEAD TO IRRITATION AND/OR DERMATITIS. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY WORK PRACTICES, AIRBORNE EXPOSURES SHOULD BE CONTROLLED TO THE LOWEST EXTENT PRACTICABLE. DO NOT INGEST.

ROUTES OF ENTRY: DERMAL CONTACT. EYE CONTACT. INHALATION. INGESTION.

POTENTIAL HEALTH EFFECTS:

EYES: CAUSES EYE IRRITATION.

SKIN:

MAY CAUSE SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. PROLONGED OR REPEATED CONTACT CAN DEFAT THE SKIN AND LEAD TO IRRITATION AND/OR DERMATITIS.

INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION.

INGESTION: INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION AND DIARRHEA.

MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE: NONE IDENTIFIED.

SEE TOXICOLOGICAL INFORMATION (SECTION 11)

4. FIRST AID MEASURES



EYE CONTACT:

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.

SKIN CONTACT:

IMMEDIATELY WASH EXPOSED SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. THOROUGHLY CLEAN SHOES BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.

INHALATION:

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION

IF SYMPTOMS OCCUR.

INGESTION:

DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IF SYMPTOMS APPEAR.

5. FIRE-FIGHTING MEASURES



FLAMMABILITY OF THE PRODUCT: MAY BE COMBUSTIBLE AT HIGH TEMPERATURE.

PRODUCTS OF COMBUSTION:

THESE PRODUCTS ARE CARBON OXIDES (CO, CO₂), SULFUR OXIDES (SO₂, SO₃ ETC.), HALOGENATED COMPOUNDS, HYDROGEN CHLORIDE. SOME METALLIC OXIDES.

UNUSUAL FIRE/EXPLOSION HAZARDS:

THIS MATERIAL IS NOT EXPLOSIVE AS DEFINED BY ESTABLISHED REGULATORY CRITERIA.

FIRE-FIGHTING MEDIA AND INSTRUCTIONS:

IN CASE OF FIRE, USE WATER FOG, FOAM, DRY CHEMICALS, OR CARBON DIOXIDE.

PROTECTIVE CLOTHING (FIRE):

FIRE-FIGHTERS SHOULD WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL TURNOUT GEAR.

6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS:

IMMEDIATELY CONTACT EMERGENCY PERSONNEL. KEEP UNNECESSARY PERSONNEL AWAY. USE SUITABLE PROTECTIVE EQUIPMENT (SEE SECTION: "EXPOSURE CONTROLS/PERSONAL PROTECTION"). FOLLOW ALL FIRE FIGHTING PROCEDURES (SEE SECTION: "FIRE-FIGHTING MEASURES").

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

IF EMERGENCY PERSONNEL ARE UNAVAILABLE, CONTAIN SPILLED MATERIAL. FOR SMALL SPILLS ADD ABSORBENT (SOIL MAY BE USED IN THE ABSENCE OF OTHER SUITABLE MATERIALS) SCOOP UP MATERIAL AND PLACE IN A SEALED, LIQUID-PROOF CONTAINER FOR DISPOSAL. FOR LARGE SPILLS DIKE SPILLED MATERIAL OR OTHERWISE CONTAIN MATERIAL TO ENSURE RUNOFF DOES NOT REACH A WATERWAY. PLACE SPILLED MATERIAL IN AN APPROPRIATE CONTAINER FOR DISPOSAL. AVOID CONTACT OF SPILLED MATERIAL WITH SOIL AND PREVENT RUNOFF ENTERING SURFACE WATERWAYS. SEE SECTION 13 FOR WASTE DISPOSAL INFORMATION.

PERSONAL PROTECTION IN CASE OF A LARGE SPILL:

SPLASH GOGGLES. FULL SUIT. BOOTS. GLOVES. SUGGESTED PROTECTIVE CLOTHING MIGHT NOT BE SUFFICIENT; CONSULT A SPECIALIST BEFORE HANDLING THIS PRODUCT.

7. HANDLING AND STORAGE



HANDLING:

AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. AVOID CONTACT WITH EYES. USE ONLY WITH ADEQUATE VENTILATION. IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY WORK PRACTICES, AIRBORNE EXPOSURES SHOULD BE CONTROLLED TO THE LOWEST EXTENT PRACTICABLE. WASH THOROUGHLY AFTER HANDLING. DO NOT INGEST. DO NOT ADD NITRITES TO THIS FLUID.

STORAGE:

KEEP CONTAINER TIGHTLY CLOSED. KEEP CONTAINER IN A COOL, WELL-VENTILATED AREA. EMPTY CONTAINERS MAY CONTAIN HARMFUL, FLAMMABLE/COMBUSTIBLE OR EXPLOSIVE RESIDUE OR VAPORS. DO NOT CUT, GRIND, DRILL, WELD, REUSE OR DISPOSE OF CONTAINERS UNLESS ADEQUATE PRECAUTIONS ARE TAKEN AGAINST THESE HAZARDS.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

OCCUPATIONAL EXPOSURE LIMITS:

INGREDIENT NAME	OCCUPATIONAL EXPOSURE LIMITS
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (HIGHLY REFINED MINERAL OIL)	ACGIH (UNITED STATES). STEL: 10 MG/M3 15 MINUTE(S). FORM: OIL MIST, MINERAL TWA: 5 MG/M3 8 HOUR(S). FORM: OIL MIST, MINERAL OSHA (UNITED STATES). TWA: 5 MG/M3 8 HOUR(S). FORM: OIL MIST, MINERAL
HIGHLY REFINED MINERAL OIL (PROPRIETARY)	ACGIH (UNITED STATES). STEL: 10 MG/M3 15 MINUTE(S). FORM: OIL MIST, MINERAL TWA: 5 MG/M3 8 HOUR(S). FORM: OIL MIST, MINERAL OSHA (UNITED STATES). TWA: 5 MG/M3 8 HOUR(S). FORM: OIL MIST, MINERAL
DIPROPYLENE GLYCOL METHYL ETHER	ACGIH (UNITED STATES). SKIN STEL: 909 MG/M3 15 MINUTE(S). STEL: 150 PPM 15 MINUTE(S). TWA: 606 MG/M3 8 HOUR(S). TWA: 100 PPM 8 HOUR(S). ACGIH TLV (UNITED STATES, 1/2005). SKIN STEL: 909 MG/M3 15 MINUTE(S). STEL: 150 PPM 15 MINUTE(S). TWA: 606 MG/M3 8 HOUR(S). TWA: 100 PPM 8 HOUR(S). OSHA (UNITED STATES). TWA: 600 MG/M3 8 HOUR(S). OSHA PEL (UNITED STATES, 8/1997). SKIN TWA: 600 MG/M3 8 HOUR(S). TWA: 100 PPM 8 HOUR(S).

CONTROL MEASURES:

PROVIDE EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP THE AIRBORNE CONCENTRATIONS OF VAPORS BELOW THEIR RESPECTIVE OCCUPATIONAL EXPOSURE LIMITS.

HYGIENE MEASURES:

WASH HANDS AFTER HANDLING COMPOUNDS AND BEFORE EATING, SMOKING, USING LAVATORY, AND AT THE END OF DAY.

PERSONAL PROTECTION:

EYES: AVOID CONTACT WITH EYES. SAFETY GLASSES WITH SIDE SHIELDS.

SKIN AND BODY:

AVOID CONTACT WITH SKIN AND CLOTHING. WEAR SUITABLE PROTECTIVE CLOTHING.

RESPIRATORY:

USE ONLY WITH ADEQUATE VENTILATION. IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY WORK PRACTICES, AIRBORNE EXPOSURES SHOULD BE CONTROLLED TO THE LOWEST EXTENT PRACTICABLE.

HANDS:

WEAR SUITABLE GLOVES.
NOT AVAILABLE.

SAFETY GLASSES
GLOVES

CONSULT LOCAL AUTHORITIES FOR ACCEPTABLE EXPOSURE LIMITS.

9. PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: LIQUID.

pH: 9.2 TO 9.8 AT 5%

ODOR: MILD.

COLOR: CLEAR. AMBER.

SPECIFIC GRAVITY: 0.92 TO 0.94

DENSITY: 930 KG/M3 (0.93 G/CM3) AT 15.6 DEG. C

SOLUBILITY: EASILY SOLUBLE IN COLD WATER, HOT WATER.

DISPERSIBILITY PROPERTIES: SEE SOLUBILITY IN WATER.

10. STABILITY AND REACTIVITY



STABILITY AND REACTIVITY: THE PRODUCT IS STABLE.

CONDITIONS TO AVOID: NONE KNOWN.

INCOMPATIBILITY WITH VARIOUS SUBSTANCES:

REACTIVE OR INCOMPATIBLE WITH THE FOLLOWING MATERIALS: OXIDIZING MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS:

THESE PRODUCTS ARE HALOGENATED COMPOUNDS, HYDROGEN CHLORIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

11. TOXICOLOGICAL INFORMATION



CHRONIC TOXICITY:

CARCINOGENIC EFFECTS:

NO COMPONENT OF THIS PRODUCT AT LEVELS GREATER THAN 0.1% IS IDENTIFIED AS A CARCINOGEN BY ACGIH OR THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC). NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN 0.1% IS IDENTIFIED AS A CARCINOGEN BY THE U.S. NATIONAL TOXICOLOGY PROGRAM (NTP) OR THE U.S. OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

MUTAGENIC EFFECTS:

NO COMPONENT OF THIS PRODUCT AT LEVELS GREATER THAN 0.1% IS CLASSIFIED BY ESTABLISHED REGULATORY CRITERIA AS A MUTAGEN.

REPRODUCTIVE EFFECTS:

NO COMPONENT OF THIS PRODUCT AT LEVELS GREATER THAN 0.1% IS CLASSIFIED BY ESTABLISHED REGULATORY CRITERIA AS A REPRODUCTIVE TOXIN.

TERATOGENIC EFFECTS:

NO COMPONENT OF THIS PRODUCT AT LEVELS GREATER THAN 0.1% IS CLASSIFIED BY ESTABLISHED REGULATORY CRITERIA AS A REPRODUCTIVE TOXIN.

OTHER CHRONIC TOXICITY DATA:

ALKANOLAMINE:

THIS PRODUCT CONTAINS AN ALKANOLAMINE. IN ALL METALWORKING FLUIDS CONTAINING AMINES, THERE IS A POTENTIAL FOR FORMING NITROSAMINES WHICH ARE

ANIMAL CARCINOGENS. THEREFORE, NO NITRITES OR RELATED NITROSATING AGENTS SHOULD BE ADDED TO SUCH COMPOSITIONS.

12. ECOLOGICAL INFORMATION



ECOTOXICITY: NO TESTING HAS BEEN PERFORMED BY THE MANUFACTURER.

13. DISPOSAL CONSIDERATIONS



WASTE INFORMATION:

AVOID CONTACT OF SPILLED MATERIAL AND RUNOFF WITH SOIL AND SURFACE WATERWAYS. CONSULT AN ENVIRONMENTAL PROFESSIONAL TO DETERMINE IF LOCAL, REGIONAL OR NATIONAL REGULATIONS WOULD CLASSIFY SPILLED OR CONTAMINATED MATERIALS AS HAZARDOUS WASTE. USE ONLY APPROVED TRANSPORTERS, RECYCLERS, TREATMENT, STORAGE OR DISPOSAL FACILITIES.

RCRA WASTE CODE(S): USED OIL

CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.

14. TRANSPORT INFORMATION



NOT CLASSIFIED AS HAZARDOUS FOR TRANSPORT (DOT, TDG, IMO/IMDG, IATA/ICAO)

15. REGULATORY INFORMATION



U.S. FEDERAL REGULATIONS:

US INVENTORY (TSCA): IN COMPLIANCE.

TSCA 12(B) ONE-TIME EXPORT NOTIFICATION:
DIPROPYLENE GLYCOL METHYL ETHER

THIS PRODUCT IS NOT REGULATED UNDER SECTION 302 OF SARA AND 40 CFR PART 355.

SARA 311/312 MSDS DISTRIBUTION - CHEMICAL INVENTORY - HAZARD IDENTIFICATION:
COOLEIDGE 6612C:
IMMEDIATE (ACUTE) HEALTH HAZARD
DELAYED (CHRONIC) HEALTH HAZARD

SARA 313:

FORM R - REPORTING REQUIREMENTS:
THIS PRODUCT DOES NOT CONTAIN ANY HAZARDOUS INGREDIENTS AT OR ABOVE REGULATED THRESHOLDS.

SUPPLIER NOTIFICATION:
THIS PRODUCT DOES NOT CONTAIN ANY HAZARDOUS INGREDIENTS AT OR ABOVE REGULATED THRESHOLDS.

CERCLA SECTIONS 102A/103 HAZARDOUS SUBSTANCES (40 CFR PART 302.4):
THIS MATERIAL IS NOT REGULATED UNDER CERCLA SECTIONS 103 AND 107.

STATE REGULATIONS:

MASSACHUSETTS RTK:
HIGHLY REFINED MINERAL OIL (PROPRIETARY); DIPROPYLENE GLYCOL METHYL ETHER;
1,1'- IMINODIPROPAN-2-OL; TRIISOPROPANOLAMINE

NEW JERSEY: DIPROPYLENE GLYCOL METHYL ETHER

PENNSYLVANIA RTK:
DIPROPYLENE GLYCOL METHYL ETHER (GENERIC ENVIRONMENTAL HAZARD);
1,1'-IMINODIPROPAN-2-OL (GENERIC ENVIRONMENTAL HAZARD);
TRIISOPROPANOLAMINE (GENERIC ENVIRONMENTAL HAZARD)

WARNING:
THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE
CANCER.
PROPYLENE OXIDE; 1,4-DIOXANE

WARNING:
THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE
CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
ETHYLENE OXIDE

INVENTORIES:
AUSTRALIAN INVENTORY (AICS): NOT DETERMINED.
CANADA INVENTORY (DSL): IN COMPLIANCE.
CHINA INVENTORY (IECS): NOT LISTED.
EC INVENTORY (EINECS/ELINCS): IN COMPLIANCE.
JAPAN INVENTORY (ENCS): NOT LISTED.
KOREA INVENTORY (ECL): NOT DETERMINED.
PHILIPPINE INVENTORY (PICCS): NOT LISTED.

16. OTHER INFORMATION



LABEL REQUIREMENTS:
WARNING!
CAUSES EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.

HMIS(R*) RATING:
HEALTH 1*
FLAMMABILITY 1
PHYSICAL HAZARD 0
PERSONAL PROTECTION B

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.):
HEALTH 2
FIRE HAZARD 1
INSTABILITY 0
SPECIFIC HAZARD

OTHER SPECIAL CONSIDERATIONS:
PETROLEUM OIL: STEL = 10 MG/M3.
USING TERMINOLOGY OF THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
(IARC), THE PETROLEUM DISTILLATES LISTED IN SECTION II ARE CLASSIFIED BY
THE SUPPLIER AS SEVERELY PROCESSED. NOT ALL THOSE LISTED IN SECTION II MAY
BE PRESENT. THE SUPPLIER HAS STATED THAT THESE DISTILLATES DO NOT REQUIRE
A CARCINOGEN LABEL AS DEFINED BY OSHA 29 CFR 1910.1200.

HISTORY:
DATE OF ISSUE: 07/06/2005.
DATE OF PREVIOUS ISSUE: 07/16/2004.

PREPARED BY: PRODUCT STEWARDSHIP

NOTICE TO READER:
ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE THIS DATA SHEET
AND THE HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION CONTAINED IN IT IS
ACCURATE AS OF THE DATE SPECIFIED BELOW. NO WARRANTY OR REPRESENTATION,
EXPRESS OR IMPLIED IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE DATA
AND INFORMATION IN THIS DATA SHEET.

THE DATA AND ADVICE GIVEN APPLY WHEN THE PRODUCT IS SOLD FOR THE STATED
APPLICATION OR APPLICATIONS. YOU SHOULD NOT USE THE PRODUCT OTHER THAN FOR
THE STATED APPLICATION OR APPLICATIONS WITHOUT SEEKING ADVICE FROM US.

IT IS THE USER' S OBLIGATION TO EVALUATE AND USE THIS PRODUCT SAFELY AND TO COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS. THE BP GROUP SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY RESULTING FROM USE, OTHER THAN THE STATED PRODUCT USE OF THE MATERIAL, FROM ANY FAILURE TO ADHERE TO RECOMMENDATIONS, OR FROM ANY HAZARDS INHERENT IN THE NATURE OF THE MATERIAL. PURCHASERS OF THE PRODUCT FOR SUPPLY TO A THIRD PARTY FOR USE AT WORK, HAVE A DUTY TO TAKE ALL NECESSARY STEPS TO ENSURE THAT ANY PERSON HANDLING OR USING THE PRODUCT IS PROVIDED WITH THE INFORMATION IN THIS SHEET. EMPLOYERS HAVE A DUTY TO TELL EMPLOYEES AND OTHERS WHO MAY BE AFFECTED OF ANY HAZARDS DESCRIBED IN THIS SHEET AND OF ANY PRECAUTIONS THAT SHOULD BE TAKEN.

PRODUCT NAME: COOLEEDGE 6612C

MSDS #: 01004-AE

VERSION: 2

DATE OF ISSUE: 07/06/2005.

FORMAT: US

LANGUAGE: ENGLISH. (ENGLISH)

BUILD 4.2.4