

Common Name: SPEEDAIRE RECIP SYN

CPI ENGINEERING SERVICES

Manufacturer:

SDS Revision Date: 2/25/2011

SDS Format: No Format Specified

Grainger Item Number(s): 1WG49, 1WG52, 1WG53, 1WG54, 1WG55
1WG56

Manufacturer Model Number(s):

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MATERIAL SAFETY DATA SHEET

SPEEDAIRE RECIP SYN

SPEEDAIRE RECIP SYN

PREPARED ACCORDING TO 29 CFR 1910.1200.

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CPI ENGINEERING SERVICES

2300 JAMES SAVAGE RD.

MIDLAND, MI 48642

PHONE: 989-496-3780

FAX: 989-496-0316

PRODUCT TRADE NAME: SPEEDAIRE RECIP SYN

CAS NUMBER: NOT APPLICABLE FOR MIXTURES.

SYNONYMS: NONE.

GENERIC CHEMICAL NAME: MIXTURE.

PRODUCT TYPE: MULTIPURPOSE.

PREPARATION/REVISION DATE: 25 FEBRUARY 2011

TRANSPORTATION EMERGENCY PHONE NO.:

FOR TRANSPORT EMERGENCY CALL CHEMTREC:
(+1) 703-527-3887 (OUTSIDE THE U.S.)
1-800-424-9300 (IN THE U.S.)

MSDS NO.: 1677358-2021322-5032121-102103

2 HAZARDS IDENTIFICATION

APPEARANCE: CLEAR TO YELLOW LIQUID.

ODOR: MILD

PRINCIPAL HAZARDS:

CAUTION.

MAY CAUSE EYE IRRITATION.

MAY CAUSE SKIN IRRITATION.

SEE SECTION 11 FOR COMPLETE HEALTH HAZARD INFORMATION.

3 COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:

THIS MATERIAL CONTAINS NO INGREDIENTS REQUIRING DISCLOSURE UNDER REGULATORY HAZARD CRITERIA FOR THIS JURISDICTION. SEE SECTION 11 FOR ADDITIONAL DETAILS.

4 FIRST AID MEASURES

EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IF EYE IRRITATION PERSISTS, GET MEDICAL ATTENTION.

SKIN:

WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

INHALATION:

REMOVE EXPOSED PERSON TO FRESH AIR IF ADVERSE EFFECTS ARE OBSERVED.

ORAL: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

ADDITIONAL INFORMATION:

NOTE TO PHYSICIAN: TREAT SYMPTOMATICALLY.

5 FIRE FIGHTING MEASURES

FLASH POINT: >268 DEG. C, 514.9 DEG. F ASTM D 92 (MINIMUM)

EXTINGUISHING MEDIA: CO₂, DRY CHEMICAL, FOAM, WATER SPRAY, WATER FOG.

FIREFIGHTING PROCEDURES:

WEAR FULL PROTECTIVE FIRE GEAR INCLUDING SELF-CONTAINING BREATHING APPARATUS OPERATED IN THE POSITIVE PRESSURE MODE WITH FULL FACEPIECE, COAT, PANTS, GLOVES AND BOOTS. USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.

UNUSUAL FIRE & EXPLOSION HAZARDS:

SEE SECTION 10 FOR ADDITIONAL INFORMATION.

6 ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN, SEE PERSONAL PROTECTION SECTION FOR PPE RECOMMENDATIONS. VENTILATE AREA IF SPILLED IN CONFINED SPACE OR OTHER POORLY VENTILATED AREAS. PREVENT ENTRY INTO SEWERS AND WATERWAYS. PICK UP FREE LIQUID FOR RECYCLE AND/OR DISPOSAL. RESIDUAL LIQUID CAN BE ABSORBED ON INERT MATERIAL.

7 HANDLING AND STORAGE

PUMPING TEMPERATURE: NOT DETERMINED.

MAXIMUM HANDLING TEMPERATURE: NOT DETERMINED.

HANDLING PROCEDURES:

KEEP CONTAINERS CLOSED WHEN NOT IN USE. AVOID BREATHING VAPOR. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.

LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. EMPTY CONTAINER CONTAINS PRODUCT RESIDUE WHICH MAY EXHIBIT HAZARDS OF PRODUCT. DISPOSE OF PACKAGING OR CONTAINERS IN ACCORDANCE WITH LOCAL, REGIONAL, NATIONAL AND INTERNATIONAL REGULATIONS.

MAXIMUM STORAGE TEMPERATURE: NOT DETERMINED.

STORAGE PROCEDURES: SEE SECTION 10 FOR INCOMPATIBLE MATERIALS.

MAXIMUM LOADING TEMPERATURE: NOT DETERMINED.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: NONE ESTABLISHED

OTHER EXPOSURE LIMITS: NONE KNOWN.

ENGINEERING CONTROLS: USE WITH ADEQUATE VENTILATION.

GLOVES PROCEDURES: USE NITRILE OR NEOPRENE GLOVES.

EYE PROTECTION: SAFETY GLASSES.

RESPIRATORY PROTECTION:

USE NIOSH/MSHA APPROVED RESPIRATOR WITH A COMBINATION ORGANIC VAPOR AND HIGH EFFICIENCY FILTER CARTRIDGE IF RECOMMENDED EXPOSURE LIMIT IS EXCEEDED. USE SELF-CONTAINED BREATHING APPARATUS FOR ENTRY INTO CONFINED SPACE, FOR OTHER POORLY VENTILATED AREAS AND FOR LARGE SPILL CLEAN-UP SITES.

CLOTHING RECOMMENDATION:

LONG SLEEVE SHIRT IS RECOMMENDED. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

9 PHYSICAL AND CHEMICAL PROPERTIES

FLASH POINT: >268 DEG. C, 514.9 DEG. F ASTM D 92 (MINIMUM)

UPPER FLAMMABLE LIMIT: NOT DETERMINED.

LOWER FLAMMABLE LIMIT: NOT DETERMINED.

AUTOIGNITION POINT: NOT DETERMINED.

EXPLOSION DATA: MATERIAL DOES NOT HAVE EXPLOSIVE PROPERTIES.

VAPOR PRESSURE: NOT DETERMINED.

pH: NOT DETERMINED.

SPECIFIC GRAVITY: 0.95 (20 DEG. C)

BULK DENSITY: 7.94 LB/GAL, 0.95 KG/L

WATER SOLUBILITY: INSOLUBLE.

PERCENT SOLID: NOT DETERMINED.

PERCENT VOLATILE: NOT DETERMINED.

VOLATILE ORGANIC COMPOUND: NOT DETERMINED.

VAPOR DENSITY: NOT DETERMINED.

EVAPORATION RATE: NOT DETERMINED.

ODOR: MILD

APPEARANCE: CLEAR TO YELLOW LIQUID.

VISCOSITY:

99.2 CENTISTOKES (40 DEG. C)

9.5 CENTISTOKES (100 DEG. C)

ODOR THRESHOLD: NOT DETERMINED.

BOILING POINT: NOT DETERMINED.

POUR POINT TEMPERATURE: NOT DETERMINED.

MELTING / FREEZING POINT: NOT DETERMINED.

THE ABOVE DATA ARE TYPICAL VALUES AND DO NOT CONSTITUTE A SPECIFICATION.
VAPOR PRESSURE DATA ARE CALCULATED UNLESS OTHERWISE NOTED.

10 STABILITY AND REACTIVITY

STABILITY:

MATERIAL IS NORMALLY STABLE AT MODERATELY ELEVATED TEMPERATURES AND PRESSURES.

DECOMPOSITION TEMPERATURE: NOT DETERMINED.

INCOMPATIBILITY: STRONG ACIDS. STRONG BASES.

POLYMERIZATION: WILL NOT OCCUR.

THERMAL DECOMPOSITION:

SMOKE, CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES AND OTHER PRODUCTS OF INCOMPLETE COMBUSTION.

CONDITIONS TO AVOID: NOT DETERMINED.

11 TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE:

EYE IRRITATION:

MAY CAUSE EYE IRRITATION. DOES NOT MEET CANADIAN D2B OR EU R36 CRITERIA. BASED ON DATA FROM SIMILAR MATERIALS.

SKIN IRRITATION:

MAY CAUSE SLIGHT SKIN IRRITATION. DOES NOT MEET CANADIAN D2B OR EU R38 CRITERIA. BASED ON DATA FROM SIMILAR MATERIALS. PROLONGED OR REPEATED SKIN CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DERMATITIS. SYMPTOMS MAY INCLUDE REDNESS, EDEMA, DRYING, AND CRACKING OF THE SKIN.

RESPIRATORY IRRITATION:

IF MATERIAL IS MISTED OR IF VAPORS ARE GENERATED FROM HEATING, EXPOSURE MAY CAUSE IRRITATION OF MUCOUS MEMBRANES AND THE UPPER RESPIRATORY TRACT. BASED ON DATA FROM SIMILAR MATERIALS.

DERMAL TOXICITY:

THE LD50 IN RABBITS IS >2000 MG/KG. BASED ON DATA FROM COMPONENTS OR SIMILAR MATERIALS. THIS MATERIAL IS NOT EXPECTED TO BE ABSORBED THROUGH HUMAN SKIN. HOWEVER, CONTACT WITH SKIN SHOULD ALWAYS BE AVOIDED.

INHALATION TOXICITY: AVOID INHALATION OF MISTS OR VAPORS.

ORAL TOXICITY:

THE LD50 IN RATS IS >10,000 MG/KG. BASED ON DATA FROM COMPONENTS OR SIMILAR MATERIALS. INGESTION MAY CAUSE CNS DEPRESSION. MATERIAL CAN BE ASPIRATED INTO THE LUNGS DURING THE ACT OF SWALLOWING OR VOMITING. THIS COULD RESULT IN SEVERE INJURY TO THE LUNGS AND DEATH.

DERMAL SENSITIZATION:

NO DATA AVAILABLE TO INDICATE PRODUCT OR COMPONENTS MAY BE A SKIN SENSITIZER.

INHALATION SENSITIZATION:

NO DATA AVAILABLE TO INDICATE PRODUCT OR COMPONENTS MAY BE RESPIRATORY SENSITIZERS.

CHRONIC EXPOSURE:

CHRONIC TOXICITY:

NO DATA AVAILABLE TO INDICATE PRODUCT OR COMPONENTS PRESENT AT GREATER THAN 1% ARE CHRONIC HEALTH HAZARDS.

CARCINOGENICITY:

THIS PRODUCT CONTAINS MINERAL OILS WHICH ARE CONSIDERED TO BE SEVERELY REFINED AND NOT CONSIDERED TO BE CARCINOGENIC UNDER IARC. ALL OF THE OILS IN THIS PRODUCT HAVE BEEN DEMONSTRATED TO CONTAIN LESS THAN 3% EXTRACTABLES BY THE IP 346 TEST.

MUTAGENICITY:

NO DATA AVAILABLE TO INDICATE PRODUCT OR ANY COMPONENTS PRESENT AT GREATER THAN 0.1% ARE MUTAGENIC OR GENOTOXIC.

REPRODUCTIVE TOXICITY:

NO DATA AVAILABLE TO INDICATE EITHER PRODUCT OR COMPONENTS PRESENT AT GREATER THAN 0.1% THAT MAY CAUSE REPRODUCTIVE TOXICITY.

TERATOGENICITY:

NO DATA AVAILABLE TO INDICATE PRODUCT OR ANY COMPONENTS CONTAINED AT GREATER THAN 0.1% MAY CAUSE BIRTH DEFECTS.

ADDITIONAL INFORMATION:

OTHER: NO OTHER HEALTH HAZARDS KNOWN.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY:

FRESHWATER FISH TOXICITY: NOT DETERMINED.

FRESHWATER INVERTEBRATES TOXICITY: NOT DETERMINED.

ALGAL INHIBITION: NOT DETERMINED.

SALTWATER FISH TOXICITY: NOT DETERMINED.

SALTWATER INVERTEBRATES TOXICITY: NOT DETERMINED.

BACTERIA TOXICITY: NOT DETERMINED.

MISCELLANEOUS TOXICITY: NOT DETERMINED

ENVIRONMENTAL FATE:

BIODEGRADATION:

AT LEAST 75% OF THE COMPONENTS IN THIS PRODUCT SHOW RAPID BIODEGRADATION BASED ON OECD 301-TYPE TEST DATA. AT LEAST 75% OF THE COMPONENTS IN THIS PRODUCT SHOW RAPID BIODEGRADATION BASED ON OECD 302-TYPE TEST DATA.

BIOACCUMULATION:

LESS THAN 1.0% OF THE COMPONENTS POTENTIALLY BIOCONCENTRATE, BASED ON OCTANOL/WATER COEFFICIENTS.

SOIL MOBILITY: NOT DETERMINED.

13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

THIS MATERIAL, IF DISCARDED, IS NOT A HAZARDOUS WASTE UNDER RCRA REGULATION 40 CFR 261. TREATMENT, STORAGE, TRANSPORTATION, AND DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE/PROVINCIAL, AND LOCAL REGULATIONS.

14 TRANSPORT INFORMATION

ICAO/IATA I: NOT REGULATED.

ICAO/IATA II: NOT REGULATED.

IMDG: NOT REGULATED.

IMDG EMS FIRE: NOT APPLICABLE.

IMDG EMS SPILL: NOT APPLICABLE.

IMDG MFAG: NOT APPLICABLE.

MARPOL ANNEX II: NOT DETERMINED.

USCG COMPATIBILITY: NOT DETERMINED.

U.S. DOT BULK: NOT REGULATED.

DOT NAERG: NOT APPLICABLE.

U.S. DOT (INTERMEDIATE): NOT REGULATED.

U.S. DOT INTERMEDIATE NAERG: NOT APPLICABLE.

U.S. DOT NON-BULK: NOT REGULATED.

U.S. DOT NON-BULK NAERG: NOT APPLICABLE.

CANADA: NOT REGULATED.

MEXICO: NOT REGULATED.

BULK QUANTITY: 85000 KG, 187391 LBS.

INTERMEDIATE QUANTITY: 11000 KG, 24251 LBS.

NON-BULK QUANTITY: 400 KG, 882 LBS.

REVIEW CLASSIFICATION REQUIREMENTS BEFORE SHIPPING MATERIALS AT ELEVATED TEMPERATURES.

15 REGULATORY INFORMATION

GLOBAL CHEMICAL INVENTORIES:

USA:

ALL COMPONENTS OF THIS MATERIAL ARE ON THE US TSCA INVENTORY OR ARE EXEMPT.

OTHER TSCA REG.: NONE KNOWN.

EU:

ALL COMPONENTS ARE IN COMPLIANCE WITH THE EC SEVENTH AMENDMENT DIRECTIVE 92/32/EEC.

JAPAN: MAY REQUIRE NOTIFICATION IN JAPAN.

AUSTRALIA:

ALL COMPONENTS ARE IN COMPLIANCE WITH CHEMICAL NOTIFICATION REQUIREMENTS IN AUSTRALIA.

NEW ZEALAND:
MAY REQUIRE NOTIFICATION BEFORE SALE UNDER NEW ZEALAND REGULATIONS.

CANADA:
THIS MATERIAL CONTAINS ONE OR MORE COMPONENTS THAT ARE ON THE NON-DOMESTIC SUBSTANCES LIST (NDSL). THIS MATERIAL OR PRODUCTS CONTAINING THIS MATERIAL MAY BE EXPORTED TO CANADA IN LIMITED QUANTITIES.

SWITZERLAND: MAY REQUIRE NOTIFICATION BEFORE SALE IN SWITZERLAND.

KOREA: MAY REQUIRE NOTIFICATION BEFORE SALE IN KOREA.

PHILIPPINES:
ALL COMPONENTS ARE IN COMPLIANCE WITH THE PHILIPPINES TOXIC SUBSTANCES AND HAZARDOUS AND NUCLEAR WASTES CONTROL ACT OF 1990 (R.A. 6969).

CHINA:
ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE INVENTORY OF EXISTING CHEMICAL SUBSTANCES IN CHINA.

TAIWAN: MAY REQUIRE NOTIFICATION BEFORE SALE IN TAIWAN.

OTHER U.S. FEDERAL REGULATIONS:

SARA EXT. HAZ. SUBST.:
THIS PRODUCT DOES NOT CONTAIN GREATER THAN 1.0% OF ANY CHEMICAL SUBSTANCE ON THE SARA EXTREMELY HAZARDOUS SUBSTANCES LIST.

SARA SECTION 313:
THIS PRODUCT DOES NOT CONTAIN GREATER THAN 1.0% (GREATER THAN 0.1% FOR CARCINOGENIC SUBSTANCE) OF ANY CHEMICAL SUBSTANCES LISTED UNDER SARA SECTION 313.

SARA 311 CLASSIFICATIONS:

ACUTE HAZARD: NO
CHRONIC HAZARD: NO
FIRE HAZARD: NO
REACTIVITY HAZARD: NO

CERCLA HAZARDOUS SUBSTANCES: NONE KNOWN.

STATE REGULATIONS:

CAL. PROP. 65:
THIS PRODUCT DOES NOT INTENTIONALLY CONTAIN ANY CHEMICALS KNOWN BY THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS. MOREOVER, WE DO NOT ROUTINELY ANALYZE ITS PRODUCTS FOR IMPURITIES WHICH MAY BE SUCH CHEMICALS.

PRODUCT REGISTRATIONS:

U.S. FUEL REGISTRATION: NOT APPLICABLE.
FINNISH REGISTRATION NUMBER: NOT REGISTERED
SWEDISH REGISTRATION NUMBER: NOT REGISTERED
NORWEGIAN REGISTRATION NUMBER: NOT REGISTERED
DANISH REGISTRATION NUMBER: NOT REGISTERED
SWISS REGISTRATION NUMBER: NOT REGISTERED
ITALIAN REGISTRATION NUMBER: NOT REGISTERED

OTHER/INTERNATIONAL:

MISCELLANEOUS REGULATORY INFORMATION: NOT DETERMINE

16 OTHER INFORMATION

US NFPA CODES:

HEALTH 0
FIRE 1
REACTIVITY 0
SPECIAL NE

(N/E) - NONE ESTABLISHED

HMIS CODES:

HEALTH 0
FIRE 1
REACTIVITY 0

PRECAUTIONARY LABELS:

CAUTION.
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.

REVISION INDICATORS: THIS MSDS HAS NO REVISIONS SINCE 25 FEBRUARY 2011

AS THE CONDITIONS OR METHODS OF USE ARE BEYOND OUR CONTROL, WE DO NOT ASSUME ANY RESPONSIBILITY AND EXPRESSLY DISCLAIM ANY LIABILITY FOR ANY USE OF THIS PRODUCT. INFORMATION CONTAINED HEREIN IS BELIEVED TO BE TRUE AND ACCURATE BUT ALL STATEMENTS OR SUGGESTIONS ARE MADE WITHOUT WARRANTY, EXPRESSED OR IMPLIED, REGARDING ACCURACY OF THE INFORMATION, THE HAZARDS CONNECTED WITH THE USE OF THE MATERIAL OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS REMAINS THE RESPONSIBILITY OF THE USER.