



Common Name: CRYSTAL SIMPLE GREEN INDUSTRIAL CLEANER & DEGREASER

Manufacturer: SUNSHINE MAKERS

SDS Revision Date: 4/1/2020

SDS Format: GHS-US

Item Number(s): 22C614, 22C615, 22C616, 22C617, 22C618

Manufacturer Model Number(s):

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SAFETY DATA SHEET

CRYSTAL SIMPLE GREEN(R*) INDUSTRIAL CLEANER & DEGREASER

VERSION NO.: 19000-20A

ISSUE DATE: APRIL 1, 2020

SUPERSEDES DATE: JANUARY 23, 2018

OSHA HCS-2012 / GHS

SECTION 1: IDENTIFICATION

PRODUCT NAME: CRYSTAL SIMPLE GREEN(R*) INDUSTRIAL CLEANER & DEGREASER

ADDITIONAL NAMES:

MANUFACTURER'S PART NUMBER: *PLEASE REFER TO SECTION 16

RECOMMENDED USE: CLEANER & DEGREASER FOR WATER TOLERANT SURFACES.

RESTRICTIONS ON USE: DO NOT USE ON NON-RINSABLE SURFACES.

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SECTION 2: HAZARDS IDENTIFICATION

THIS PRODUCT IS CLASSIFIED AS HAZARDOUS (EYE CORROSIVE/IRRITANT - CATEGORY 2B) UNDER 2012 OSHA HAZARD COMMUNICATION STANDARDS (29 CFR 1910.1200).

OSHA HCS 2012"

LABEL ELEMENTS:

SIGNAL WORD: WARNING

HAZARD SYMBOL(S)/PICTOGRAM(S): NONE REQUIRED

HAZARD STATEMENTS:

H320: CAUSES EYE IRRITATION.

PRECAUTIONARY STATEMENTS:

P264: WASH HANDS THOROUGHLY AFTER HANDLING.

P305 + P351 + P338:

IF IN EYE:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

P337 + P313:

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): NONE KNOWN

OTHER INFORMATION: NONE KNOWN

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT | CAS NUMBER | PERCENT RANGE |
|---------------------------------|------------|---------------|
| WATER | 7732-18-5 | >87%* |
| C9-11 ALCOHOLS ETHOXYLATED | 68439-46-3 | <5%* |
| SODIUM CITRATE | 68-04-2 | <5%* |
| SODIUM CARBONATE | 497-19-8 | <1%* |
| TETRASODIUM GLUTAMATE DIACETATE | 51981-21-6 | <1%* |
| CITRIC ACID | 77-92-9 | <1%* |

*SPECIFIC PERCENTAGES OF COMPOSITION ARE BEING WITHHELD AS A TRADE SECRET

SECTION 4: FIRST-AID MEASURES



INHALATION:

NOT EXPECTED TO CAUSE RESPIRATORY IRRITATION. IF ADVERSE EFFECT OCCURS, MOVE TO FRESH AIR.

SKIN CONTACT:

NOT EXPECTED TO CAUSE SKIN IRRITATION. IF ADVERSE EFFECT OCCURS, RINSE SKIN WITH WATER.

EYE CONTACT: CAUSES EYE IRRITATION.

IF IN EYE:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

INGESTION:

MAY CAUSE UPSET STOMACH. DRINK PLENTY OF WATER TO DILUTE. SEE SECTION 11.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED: NONE KNOWN.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY: TREAT SYMPTOMATICALLY

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE & UNSUITABLE EXTINGUISHING MEDIA:

USE DRY CHEMICAL, CO₂, WATER SPRAY OR "ALCOHOL" FOAM. AVOID HIGH VOLUME JET WATER.

SPECIFIC HAZARDS ARISING FROM CHEMICAL:

IN EVENT OF FIRE, FIRE CREATED CARBON OXIDES MAY BE FORMED.

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:

WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS; WEAR FULL PROTECTIVE CLOTHING. THIS PRODUCT IS NON-FLAMMABLE. SEE SECTION 9 FOR PHYSICAL PROPERTIES.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
FOR NON-EMERGENCY AND EMERGENCY PERSONNEL: SEE SECTION 8 - PERSONAL PROTECTION. AVOID EYE CONTACT. WEAR SAFETY GOGGLES.

ENVIRONMENTAL PRECAUTIONS:

DO NOT ALLOW INTO OPEN WATERWAYS AND GROUND WATER SYSTEMS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:

DIKE OR SOAK UP WITH INERT ABSORBENT MATERIAL. SEE SECTION 13 FOR DISPOSAL CONSIDERATIONS.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

ENSURE ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME AND DIRECT SUNLIGHT. DO NOT PIERCE ANY PART OF THE CONTAINER. DO NOT MIX OR CONTAMINATE WITH ANY OTHER CHEMICAL. DO NOT EAT, DRINK OR SMOKE WHILE USING THIS PRODUCT.

CONDITIONS FOR SAFE STORAGE INCLUDING INCOMPATIBILITIES:
KEEP CONTAINER TIGHTLY CLOSED. KEEP IN COOL DRY AREA. AVOID PROLONGED EXPOSURE TO SUNLIGHT. DO NOT STORE AT TEMPERATURES ABOVE 109 DEG. F (42.7 DEG. C). IF SEPARATION OCCURS, MIX THE PRODUCT FOR RECONSTITUTION.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES:
NO COMPONENTS LISTED WITH TWA OR STEL VALUES UNDER OSHA OR ACGIH.

APPROPRIATE ENGINEERING CONTROLS:
SHOWERS, EYEWASH STATIONS, VENTILATION SYSTEMS

INDIVIDUAL PROTECTION MEASURES / PERSONAL PROTECTIVE EQUIPMENT (PPE):

EYE CONTACT:
USE PROTECTIVE GLASSES OR SAFETY GOGGLES IF SPLASHING OR SPRAY-BACK IS LIKELY.

RESPIRATORY:
USE IN WELL VENTILATED AREAS OR LOCAL EXHAUST VENTILATIONS WHEN CLEANING SMALL SPACES.

SKIN CONTACT:
USE PROTECTIVE GLOVES (ANY MATERIAL) WHEN USED FOR PROLONGED PERIODS OR DERMALLY SENSITIVE.

GENERAL HYGIENE CONSIDERATIONS:
WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: CLEAR COLORLESS LIQUID

ODOR: NO ADDED ODOR

ODOR THRESHOLD: NOT DETERMINED

PH: 9.8 - 10.8

FREEZING POINT: 0-3.33 DEG. C (32-38 DEG. F)

BOILING POINT & RANGE: 101 DEG. C (213.8 DEG. F)

FLASH POINT: >212 DEG. F

EVAPORATION RATE: 1/2 BUTYL ACETATE @ 25 DEG. C

FLAMMABILITY (SOLID, GAS): NOT APPLICABLE

PARTITION COEFFICIENT N-OCTANOL/WATER: NOT DETERMINED

AUTOIGNITION TEMPERATURE: NON-FLAMMABLE

DECOMPOSITION TEMPERATURE: 109 DEG. F

VISCOSITY: LIKE WATER

SPECIFIC GRAVITY ASTM D-891: 1.01 - 1.03

VOCS: **WATER & FRAGRANCE EXEMPTION IN CALCULATION

SCAQMD 304-91 / EPA 24:

0 G/L

0 LB/GAL

0%

CARB METHOD 310**:

4.0 G/L

0.033 LB/GAL

0.4%

SCAQMD METHOD 313: NOT TESTED

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: NOT APPLICABLE

VAPOR PRESSURE: 0.60 PSI @77 DEG. F, 2.05 PSI @100 DEG. F

VAPOR DENSITY: NOT DETERMINED

VOC COMPOSITE PARTIAL PRESSURE: NOT DETERMINED

RELATIVE DENSITY: 8.34 - 8.42 LB/GAL

SOLUBILITY: 100% IN WATER

SECTION 10: STABILITY AND REACTIVITY



REACTIVITY: NON-REACTIVE.

CHEMICAL STABILITY:

STABLE UNDER NORMAL CONDITIONS 70 DEG. F (21 DEG. C) AND 14.7 PSIG (760 MMHg).

POSSIBILITY OF HAZARDOUS REACTIONS: NONE KNOWN.

CONDITIONS TO AVOID: EXCESSIVE HEAT OR COLD.

INCOMPATIBLE MATERIALS:

DO NOT MIX WITH OXIDIZERS, ACIDS, BATHROOM CLEANERS, OR DISINFECTING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:

NORMAL PRODUCTS OF COMBUSTION - CO, CO2.

SECTION 11: TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE:

INHALATION: OVEREXPOSURE MAY CAUSE HEADACHE.

SKIN CONTACT:

NOT EXPECTED TO CAUSE IRRITATION, REPEATED CONTACT MAY CAUSE DRY SKIN.

EYE CONTACT: CAUSES EYE IRRITATION.

INGESTION: MAY CAUSE UPSET STOMACH.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS: NO SYMPTOMS EXPECTED UNDER TYPICAL USE CONDITIONS.

DELAYED AND IMMEDIATE EFFECTS AND OR CHRONIC EFFECTS FROM SHORT TERM EXPOSURE: NO SYMPTOMS EXPECTED UNDER TYPICAL USE CONDITIONS.

DELAYED AND IMMEDIATE EFFECTS AND OR CHRONIC EFFECTS FROM LONG TERM EXPOSURE: HEADACHE, DRY SKIN, OR SKIN IRRITATION MAY OCCUR.

INTERACTIVE EFFECTS: NOT KNOWN.

NUMERICAL MEASURES OF TOXICITY:

ACUTE TOXICITY:

ORAL LD50 (RAT): >5 G/KG BODY WEIGHT

DERMAL LD50 (RABBIT): >5 G/KG BODY WEIGHT

CALCULATED VIA OSHA HCS 2012 / GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS

SKIN CORROSION/IRRITATION:

NON-IRRITANT PER DERMAL IRRITATION(R*) ASSAY MODELING. NO ANIMAL TESTING PERFORMED.

EYE DAMAGE/IRRITATION:

IRRITANT PER OCULAR IRRITATION(R*) ASSAY MODELING. NO ANIMAL TESTING PERFORMED.

GERM CELL MUTAGENICITY: MIXTURE DOES NOT CLASSIFY UNDER THIS CATEGORY.

CARCINOGENICITY: MIXTURE DOES NOT CLASSIFY UNDER THIS CATEGORY.

REPRODUCTIVE TOXICITY: MIXTURE DOES NOT CLASSIFY UNDER THIS CATEGORY.

STOT-SINGLE EXPOSURE: MIXTURE DOES NOT CLASSIFY UNDER THIS CATEGORY.

STOT-REPEATED EXPOSURE: MIXTURE DOES NOT CLASSIFY UNDER THIS CATEGORY.

ASPIRATION HAZARD: MIXTURE DOES NOT CLASSIFY UNDER THIS CATEGORY.

SECTION 12: ECOLOGICAL INFORMATION



ECOTOXICITY:

VOLUME OF INGREDIENTS USED DOES NOT TRIGGER TOXICITY CLASSIFICATIONS UNDER THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS.

AQUATIC: NOT TESTED ON FINISHED FORMULATION.

TERRESTRIAL: NOT TESTED ON FINISHED FORMULATION.

PERSISTENCE AND DEGRADABILITY:

INHERENTLY AND READILY BIODEGRADABLE PER OECD 302B, REACHES 94.5% DEGRADATION BY 5 DAYS, AND 100% DEGRADATION BY 21 DAYS. READILY BIODEGRADABLE PER OECD 301D, REACHES 100% DEGRADATION WITHIN 28 DAY WINDOW.

BIOACCUMULATIVE POTENTIAL: NO DATA AVAILABLE.

MOBILITY IN SOIL: NO DATA AVAILABLE.

OTHER ADVERSE EFFECTS: NO DATA AVAILABLE.

SECTION 13: DISPOSAL CONSIDERATIONS

UNUSED OR USED LIQUID:

MAY BE CONSIDERED HAZARDOUS IN YOUR AREA DEPENDING ON USAGE AND TONNAGE OF DISPOSAL - CHECK WITH LOCAL, REGIONAL, AND OR NATIONAL REGULATIONS FOR

APPROPRIATE METHODS OF DISPOSAL.

EMPTY CONTAINERS: DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.

NEVER DISPOSE OF USED DEGREASING RINSATES INTO LAKES, STREAMS, AND OPEN BODIES OF WATER OR STORM DRAINS.

SECTION 14: TRANSPORT INFORMATION



U.N. NUMBER: NOT APPLICABLE

TRANSPORT HAZARD CLASS(ES): NOT APPLICABLE

PACKING GROUP: NOT APPLICABLE

ENVIRONMENTAL HAZARDS: MARINE POLLUTANT - NO

U.N. PROPER SHIPPING NAME: CLEANING COMPOUND, LIQUID NOI

NMFC NUMBER: 48580-3

CLASS: 55

TRANSPORT IN BULK (ACCORDING TO ANNEX II OF MARPOL 73/78 AND IBC CODE): UNKNOWN.

SPECIAL PRECAUTIONS WHICH USER NEEDS TO BE AWARE OF/COMPLY WITH, IN CONNECTION WITH TRANSPORT OR CONVEYANCE EITHER WITHIN OR OUTSIDE THEIR PREMISES: NONE KNOWN.

U.S. (DOT) / CANADIAN TDG: NOT REGULATED FOR SHIPPING.

ICAO/ IATA: NOT CLASSIFIED AS HAZARDOUS

IMO / IDMG: NOT CLASSIFIED AS HAZARDOUS

ADR/RID: NOT CLASSIFIED AS HAZARDOUS

SECTION 15: REGULATORY INFORMATION



ALL COMPONENTS ARE LISTED ON: TSCA AND DSL INVENTORY.

SARA TITLE III:

SECTIONS 311/312 HAZARD CATEGORIES: NOT APPLICABLE.

SECTIONS 313 SUPERFUNDS AMENDMENTS AND REAUTHORIZATIONS ACT OF 1986: NOT APPLICABLE.

SECTIONS 302: NOT APPLICABLE.

CLEAN AIR ACT (CAA): NOT APPLICABLE

CLEAN WATER ACT (CWA): NOT APPLICABLE

STATE RIGHT TO KNOW LISTS: NO INGREDIENTS LISTED

CALIFORNIA PROPOSITION 65: NO INGREDIENTS LISTED

TEXAS ESL:

| | | | |
|---------------------|------------|----------------|-----------------|
| ETHOXYLATED ALCOHOL | 68439-46-3 | 60 (MICRO)G/M3 | 600 (MICRO)G/M3 |
| | | LONG TERM | SHORT TERM |

| | | | |
|------------------|----------|-----------------------------|-------------------------------|
| SODIUM CITRATE | 68-04-2 | 5 (MICRO)G/M3 LONG TERM | 50 (MICRO)G/M3 SHORT TERM |
| SODIUM CARBONATE | 497-19-8 | 5 (MICRO)G/M3 LONG TERM | 50 (MICRO)G/M3 SHORT TERM |
| CITRIC ACID | 77-92-9 | 10 (MICRO)G/M3 LONG TERM | 100 (MICRO)G/M3 SHORT TERM |

SECTION 16: OTHER INFORMATION

| SIZE | UPC |
|------------|--------------|
| 2 FL. OZ. | 043318190117 |
| 4 FL. OZ. | 043318001550 |
| 24 FL. OZ. | 043318000164 |
| 1 GALLON | 043318000188 |
| 5 GALLON | 043318000140 |
| 15 GALLON | 043318000263 |
| 55 GALLON | 043318000171 |
| 260 GALLON | 043318190667 |
| 275 GALLON | 043318000195 |

NFPA:
1
0
0
0

HEALTH - EYE IRRITANT
FLAMMABILITY - NON-FLAMMABLE
STABILITY - STABLE
SPECIAL - NONE

ACRONYMS:
NTP: NATIONAL TOXICOLOGY PROGRAM
OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
TSCA: TOXIC SUBSTANCES CONTROL ACT
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
CPSC: CONSUMER PRODUCT SAFETY COMMISSION
DSL: DOMESTIC SUBSTANCES LIST

PREPARED / REVISED BY: SUNSHINE MAKERS, INC., REGULATORY DEPARTMENT.

THIS SDS HAS BEEN REVISED IN THE FOLLOWING SECTIONS: UPC AND PART NUMBER REVISION

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