

(52237-06)

60987-4001*

KEYSTONE PACIFIC DIVISION
1767 MILROY PLACE
SANTA FE SPRINGS, CA 90670
CORPORATE OFFICE PHONE: 312 666-2015
HEALTH AND SAFETY FAX: 312 666-8530

TRADE NAME KEYSTONE OIL YELLOW 2635
PRODUCT CODE 806-C56-50 (023418)
PREPARED FOR YALEY ENTERPRISE
EMERGENCY PHONE: CHEMTEL 800 255-3924
HEALTH AND SAFETY TEL: 312 666-2015

Revd 03-09-00

Material Safety Data Sheet

NOTE: DO NOT DETACH THIS GUIDANCE COVER SHEET FROM THE REST OF THIS DOCUMENT.
MULTI-REGULATION COMPLIANCE DOCUMENT

THIS DOCUMENT IS YOUR CERTIFICATION OF COMPLIANCE AS STATED IN APPLICABLE SECTIONS. IT IS COMPILED IN ACCORDANCE WITH OSHA'S HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), AND OTHER FEDERAL AND STATE REGULATIONS, NO ADDITIONAL CERTIFICATION OF COMPLIANCE IS REQUIRED WHEN STATED IN THIS DOCUMENT. TO AVOID USE OF OUTDATED INFORMATION, PLEASE DESTROY PREVIOUSLY DATED MSDS'.

FORMAT OF THIS MATERIAL SAFETY DATA SHEET

NEW AND UPDATED MSDS' ARE PRESENTED IN THE ANSI Z400.1 SIXTEEN SECTION FORMAT. ALL AVAILABLE INFORMATION IS INCLUDED IN SYSTEMATIC UPDATES. HOWEVER, UNTIL ALL PRODUCTS ARE UPDATED, ALL MSDS' MAY NOT BE RECEIVED IN THE ANSI FORMAT.

PURPOSE AND AVAILABILITY OF THIS DOCUMENT

UNDER THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD AND SOME STATE RIGHT TO KNOW LAWS, EMPLOYERS USING THIS PRODUCT IN THEIR OPERATION MUST MAKE THIS MSDS AVAILABLE TO ALL EMPLOYEES HANDLING THIS PRODUCT IN ANY MANNER. THE MSDS MUST BE READILY AVAILABLE FOR REVIEW BY ALL PERSONS CONCERNED.

THIS MSDS IS DESIGNED TO EFFECTIVELY COMMUNICATE HEALTH AND PHYSICAL HAZARDS TO THE MATERIAL HANDLER AND ALL OTHER RESPONSIBLE PERSONS CONCERNED WITH HEALTH AND ENVIRONMENTAL PROTECTION AND REGULATORY COMPLIANCE. DISTRIBUTORS RECEIVING THIS MSDS ARE OBLIGATED TO READILY PROVIDE A COPY TO THEIR CUSTOMERS, AFFILIATES, AND AGENTS.

V-7074

PRODUCT USER RESPONSIBILITY NOTICE

THIS TYPE OF DOCUMENT CANNOT COVER ALL POSSIBLE UNIQUE SITUATIONS. IT IS THE PRODUCT USER'S RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE, AND TO PASS ON ALL HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION TO ALL EMPLOYEES AND CUSTOMERS THAT MAY HANDLE THIS PRODUCT. UNDER 29 CFR 1910.1200, ALL PRODUCT USERS AND HANDLERS MUST BE INFORMED OF OSHA REQUIREMENTS, AND THE NEED TO BE FAMILIAR WITH THEM.

CUSTOMER INQUIRES

THIS MSDS INCLUDES ALL TECHNICAL AND REGULATORY INFORMATION AVAILABLE ON THE PREPARATION DATE. FAX TECHNICAL QUESTIONS DIRECTLY TO THE PROPER LABORATORY. CHICAGO LAB FAX: 312 666-8530, OR LOS ANGELES LAB FAX: 310 921-3461. FAX ALL REGULATORY QUESTIONS TO THE CHICAGO OFFICE: 312 666-2015. NOTE: REGULATORY QUESTIONS CANNOT BE ANSWERED UNLESS YOU SUPPLY OUR EIGHT DIGIT PRODUCT CODE AND COMPLETE KEYSTONE TRADE NAME.

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<<<<<<<<< MATERIAL SAFETY DATA SHEET >>>>>>>>

PREPARATION DATE

08-26-98

SECTION 1 CHEMICAL IDENTIFICATION

C.I. NAME : SOLVENT YELLOW 56
 C.I. NUMBER : 11021
 CAS NUMBER : 2481-94-9
 CHEMICAL FAMILY: MGNCAZO DYE
 PHYSICAL FORM : POWDER

SECTION 2 INGREDIENTS HAZARDOUS UNDER OSHA 29 CFR PART 1910.1200 APPENDIX A & B

COMPONENT NAME	CAS NUMBER	PEL	TLV	%
C.I. SOLVENT YELLOW 56*	2481-94-9	NE	NE	100

*READ & UNDERSTAND SECTIONS 3, 8 & 11 FOR MORE HEALTH & SAFETY INFORMATION.
 WEAR ALL PROTECTIVE EQUIPMENT AND CLOTHING DESCRIBED IN SECTION 8.

SECTION 3 HAZARD IDENTIFICATION AND EMERGENCY OVERVIEW

HMIS RATINGS

HEALTH * 1
 FLAMMABILITY 1
 REACTIVITY 0
 PROTECTION F, N

* DENOTES DELAYED/CHRONIC HEALTH HAZARD

EMERGENCY OVERVIEW:

POSSIBLE EXPOSURES: EYES, SKIN, BREATHING DUSTS, ACCIDENTAL SWALLOWING

POSSIBLE HEALTH EFFECTS:

EYE CONTACT: CAN IRRITATE. 1
 SKIN CONTACT: CAN IRRITATE. 1
 BREATHING DUST: NE. TAKE PRECAUTIONS. 1
 SWALLOWING: EXPECTED TO BE PRACTICALLY NON-TOXIC. 1

EFFECTS OF OVEREXPOSURE: THIS PRODUCT WAS FOUND MUTAGENIC IN AN AMES TEST ON BACTERIA, BUT WAS NOT ACTIVE IN A CULTURED MAMMALIAN CELL TRANSFORMATION TEST. 1

EUROPEAN UNION RISK PHRASES: R36/38-IRRITATING TO EYES AND SKIN.

~~SENSITIZATION: NK~~Item Number: 60987-001
TARGET ORGANS: EYES, SKIN 1

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CANCER INFORMATION:

PRODUCT AND COMPONENTS NOT KNOWN TO US TO BE CARCINOGENS

NTP: NK

IARC: NK

OSHA: NR

1 PRECAUTIONS:

PROTECT YOURSELF FROM EITHER EXPECTED OR UNEXPECTED IRRITATION, OR ANY ALLERGIC REACTIONS. WORKERS SHOULD WEAR ALL PROPERLY SELECTED PROTECTIVE EQUIPMENT AND CLOTHING AS INSTRUCTED IN SECTION 8 OF THIS MSDS. WASH HANDS AND FACE AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING OR USING RESTROOM FACILITIES. AFTER EACH SHIFT, CLEAN ALL PROTECTIVE EQUIPMENT, WASH ALL WORK CLOTHES, AND SHOWER. READ SECTIONS 8 & 11, TOXICOLOGY INFORMATION.

UNUSUAL HAZARDS: IF MIXED WITH AIR IN SUFFICIENT AMOUNTS & PROPORTIONS, ORGANIC DUSTS CAN FORM FLAMMABLE OR EXPLOSIVE DUST/AIR MIXTURES. AS PRECAUTIONS, KEEP AREAS CLEAN AND AVOID DUST BUILD-UP. HAVE PLENTY OF GOOD VENTILATION. AVOID CREATING VERY DUSTY CONDITIONS. WHEN MIXING, POURING OR PROCESSING BULK AMOUNTS OF POWDERS, GROUND ALL CONTAINERS AND AVOID STATIC CHARGES, SPARKS, SMOKING, OPEN FLAMES, OR OTHER POSSIBLE CAUSES OF FIRE OR EXPLOSION.

SECTION 4 FIRST AID INSTRUCTIONS

EYE CONTACT: IMMEDIATELY RINSE WITH PLENTY OF CLEAN FLOWING WATER FOR AT LEAST 20 MINUTES, HOLDING EYELIDS OPEN TO RINSE COMPLETELY. CALL A DOCTOR, AND GET MEDICAL HELP QUICKLY, AS A PRECAUTION.

SKIN CONTACT: REMOVE AFFECTED CLOTHING. WASH AFFECTED SKIN AREA WITH PLENTY OF SOAP AND WATER. RINSE WITH PLENTY OF WATER. WASH ALL WORK CLOTHES BEFORE WEARING AGAIN. IF ANY REDNESS, SWELLING, ITCHING, OR PAIN OF THE SKIN STARTS, SEE A DOCTOR QUICKLY, AS A PRECAUTION.

BREATHING PRODUCT DUST: MOVE PERSON TO FRESH AIR. IF PERSON IS HAVING DIFFICULTY BREATHING, GIVE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET EMERGENCY MEDICAL HELP IMMEDIATELY. CALL 911 IF AVAILABLE IN YOUR AREA, OR OTHER MEDICAL EMERGENCY NUMBER.

SWALLOWING OF PRODUCT: IF SWALLOWED, GIVE PERSON SEVERAL GLASSES OF WATER AND FORCE VOMITING. NEVER GIVE ANY FLUIDS OR FORCE VOMITING IF THE PERSON IS UNCONSCIOUS, OR IS HAVING CONVULSIONS, OR HAS NO GAG REFLEX. CONTACT A DOCTOR QUICKLY TO GET MEDICAL HELP, CALL 911, OR OTHER MEDICAL EMERGENCY SERVICES AVAILABLE IN YOUR AREA.

SECTION 5 FIRE FIGHTING INSTRUCTIONS

FLASH POINT : NA

TYPES OF EXTINGUISHERS : ALL METHODS ACCEPTABLE

FIREFIGHTING DIRECTIONS: WEAR SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POSSIBLY TOXIC FUMES. WEAR FULL FIRE-PROTECTIVE CLOTHING.

SECTION 6 ACCIDENTAL SPILL OR RELEASE INSTRUCTIONS

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WEAR A NIOSH APPROVED DUST RESPIRATOR, WITH ALL PROTECTIVE CLOTHING AND EQUIPMENT AS DESCRIBED IN SECTION 8 OF THIS MSDS. READ SECTION 8.

CONTAIN AND CLEAN UP SPILL IMMEDIATELY. SWEEP POWDERS CAREFULLY, USING AN ABSORBENT (SUCH AS SWEEPING COMPOUND) TO KEEP DOWN THE DUST IN THE AREA. SCOOP MATERIAL & ABSORBENT INTO DISPOSAL DRUM, SEAL AND LABEL.

RCRA STATUS: SEE REGULATORY INFORMATION, SECTION 15.

ENVIRONMENTAL PROTECTION: PREVENT FROM ENTERING FLOOR DRAINS OR SEWERS. DO NOT RELEASE TO SEWERS, STREAMS, RIVERS NOR TO ANY OTHER BODIES OF WATER WITHOUT PROPER PERMISSION FROM GOVERNMENT AUTHORITIES AT ALL LEVELS IN YOUR AREA. CHECK SECTION 13, "DISPOSAL CONSIDERATIONS/ENVIRONMENTAL PROTECTION PROCEDURES" FOR MORE INFORMATION.

SECTION 7 HANDLING AND STORAGE

PROTECT PRODUCT FROM MOISTURE, STORE IN COOL, DRY PLACE UNDER LOW RELATIVE HUMIDITY, AWAY FROM EXCESSIVE HEAT. STORE IN ORIGINAL OR EQUIVALENT WATER-PROOF CONTAINERS. RESEAL CONTAINERS TIGHTLY AFTER EACH USE. KEEP OUT OF DIRECT SUNLIGHT. STORE AWAY FROM FOOD, BEVERAGE AND OXIDIZING AGENTS.

SHELF LIFE: INDEFINITE WHEN STORED CAREFULLY AS INSTRUCTED ABOVE.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

NOTE: WHEN SELECTING PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING, FOLLOW ALL OF THE MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS THAT APPLY TO YOUR SPECIFIC OPERATION AND PROCESSING CONDITIONS. TAKE INTO CONSIDERATION ALL WORKER CONDITIONS AND ALL CHEMICALS TO BE HANDLED OR PROCESSED.

EYE PROTECTION: WEAR SPLASH-PROOF CHEMICAL SAFETY GOGGLES. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH CHEMICALS.

SKIN PROTECTION: WEAR CHEMICALLY RESISTANT RUBBER GLOVES, SELECTED WITH YOUR SPECIFIC PROCESSING CONDITIONS AND CHEMICALS TO BE HANDLED IN MIND. WEAR COVERALLS AND BOOTS TO MINIMIZE SKIN CONTACT. AS PRECAUTIONS, WASH HANDS & FACE WITH MILD SOAP & WATER BEFORE EATING, DRINKING, SMOKING, OR USING RESTROOM. AFTER EACH SHIFT, CLEAN ALL PROTECTIVE EQUIPMENT, WASH WORK CLOTHES AND SHOWER.

LUNG, THROAT & NASAL PROTECTION: WEAR NIOSH APPROVED DUST RESPIRATOR FOR YOUR PARTICULAR OPERATION AND MATERIALS BEING HANDLED. CLEAN RESPIRATOR WITH SOAP AND WATER AFTER EACH SHIFT.

OTHER PROTECTION: EYE WASH FOUNTAINS & DRENCH SHOWERS SHOULD BE LOCATED WITHIN 100 FEET OR A 10 SECOND WALK OF THE WORK AREA PER ANSI Z358.1-1990

VENTILATION: LOCAL EXHAUST IS RECOMMENDED.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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DESCRIPTION : GREENISH-YELLOW POWDER; NO ODOR
MELTING POINT : OVER 200 F
WATER SOLUBILITY : INSOLUBLE
PH : NE
SPECIFIC GRAVITY : ABOUT 0.32
VOC'S : NA

SECTION 10 STABILITY AND REACTIVITY

STABILITY : STABLE
CONDITIONS TO AVOID : HEAT, OPEN FLAMES
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
INCOMPATIBLE MATERIALS : STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS: BURNING CAN PRODUCE CYIDES OF CARBON AND NITROGEN.

SECTION 11 TOXICOLOGY INFORMATION

ORAL LD50 (RAT): > 5000 MG/KG*
DERMAL LD50 (RAT): NE
INHALATION LC50 (RAT): NE

EYE EFFECTS (RABBIT): IRRITANT* 1
SKIN EFFECTS (RABBIT): IRRITANT* 1
BREATHING EFFECTS: NE. TAKE PRECAUTIONS. 1

* DATA BASED ON PRODUCT OF SIMILAR COMPOSITION

CHECK SECTION 3 FOR ANY OTHER OBSERVATIONS, EXPECTATIONS OR COMMENTS.

1) AS PRECAUTIONS TO HELP MINIMIZE CONTACT, WEAR ALL PROTECTIVE EQUIPMENT AND CLOTHING AS INSTRUCTED IN SECTION 8 OF HIS MSDS. READ SECTION 8.

GENERAL PRECAUTIONS: ALWAYS PRACTICE GOOD INDUSTRIAL HYGIENE, HANDLE WITH CARE, AVOID PERSONAL CONTACT. DO NOT GET INTO EYES OR ON SKIN, DO NOT BREATHE DUST OF PRODUCT, DO NOT SWALLOW. WASH HANDS WITH SOAP AND WATER, AND RINSE WELL AFTER HANDLING PRODUCT. SHOWER AFTER EACH SHIFT. WASH ALL WORK CLOTHING AND COMPLETELY CLEAN ALL PROTECTIVE EQUIPMENT AFTER EACH SHIFT. READ SECTIONS 3 AND 8.

MUTAGENICITY: THIS PRODUCT WAS FOUND MUTAGENIC IN AN AMES TEST ON BACTERIA, BUT WAS NOT ACTIVE IN A CULTURED MAMMALIAN CELL TRANSFORMATION TEST.

ADDITIONAL INFORMATION: CHECK SECTION 3

MEDICAL CONDITIONS MADE WORSE BY EXPOSURE: PERSONS WITH BREATHING AND LUNG PROBLEMS CAN BE AFFECTED BY BREATHING IN ANY TYPE OF DUSTY MATERIAL. PERSONS WITH ASTHMA, ALLERGIES, OR OTHER BREATHING-RELATED PROBLEMS SHOULD STAY AWAY FROM, NOT HANDLE, AND NOT BE EXPOSED TO ANY DUSTY PRODUCTS OR DUSTY CONDITIONS AS A PRECAUTIONARY MEASURE.

SECTION 12 ECOLOGICAL DATA

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BOD 5: NE
 COD: NE
 FISH TOXICITY: NE
 SEED TOXICITY: NE
 CWA TOXIC POLLUTANTS: NK
 BICLOGICAL ELIMINATION: NE

 SECTION 13 DISPOSAL CONSIDERATIONS/ENVIRONMENTAL PROTECTION PROCEDURES

DISPOSAL METHODS:

IT IS RECOMMENDED THAT YOU SELECT AN ALTERNATIVE BELOW ACCORDING TO THE FOLLOWING ORDER OF PREFERENCE, DEPENDING ON ENVIRONMENTAL IMPACT:

- 1) RECYCLE OR REWORK MATERIAL IF AT ALL POSSIBLE
- 2) INCINERATE MATERIAL AT AN APPROVED FACILITY
- 3) TREAT AT AN ACCEPTABLE WASTE TREATMENT FACILITY, OR MUNICIPAL WASTE TREATMENT PLANT AFTER PROPER TESTING & APPROVAL OF WASTE SAMPLES.

IF DISPOSED OF IN IT'S ORIGINAL UNUSED FORM, THIS MATERIAL SHOULD BE TREATED, AND DISPOSED OF AT AN APPROVED SITE OR FACILITY, IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE & LOCAL ENVIRONMENTAL REGULATIONS. YOU MUST CONTACT THE PROPER GOVERNMENT AGENCIES FOR ADDITIONAL DIRECTIONS. ALL WASTE MATERIAL & WASTE WATER SHOULD BE DISPOSED OF CORRECTLY, UNDER ALL FEDERAL, STATE, CITY & COUNTY LAWS.

RCRA STATUS: SEE SECTION 15, REGULATORY INFORMATION

DO NOT RELEASE ANY CHEMICALS, DYES OR OTHER COLOR SOLUTIONS INTO SEWERS, WATERWAYS OR SYSTEMS WITHOUT PROPER GOVERNMENT PERMISSION AT ALL LEVELS.

CONTAINER REUSE: AN "EMPTY" CONTAINER CAN CONTAIN PRODUCT RESIDUE, AND SHOULD NOT BE REUSED. IF NOT PROFESSIONALLY CLEANED & RECONDITIONED, CRUSHING OR OTHER MEANS IS RECOMMENDED TO PREVENT UNAUTHORIZED REUSE.

 SECTION 14 SHIPPING/TRANSPORT INFORMATION

DOT STATUS (HIGHWAY AND RAIL): NR

IATA STATUS (AIR): NR

 SECTION 15 REGULATORY INFORMATION

AICS (AUSTRALIA): NC

CAL. PROP. 65: CONTAINS THE FOLLOWING CHEMICALS IN TRACE PPM QUANTITIES, KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY:
 CADMIUM <10, CHROMIUM <10*, LEAD <10, MERCURY <1.

*HEXAVALENT CHROMIUM IS A LISTED CHEMICAL. MINUTE TRACES MAY BE PRESENT IN THE TOTAL CHROMIUM INDICATED.

CERCLA: NH

CLEAN AIR ACT:

~~TITLE III HAP'S: NA~~

~~TITLE V-VOC'S: NA~~

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TITLE VI-CDC'S: NOT MANUFACTURED WITH NOR CONTAINING CLASS I OR II ODC'S.
 CONEG-TYPICAL METALS PRESENT IN PPM:

CADMIUM <10
 CHROMIUM <10 (TOTAL INCLUDING HEXAVALENT CR+6)
 LEAD <10
 MERCURY <1

DSL (CANADA): COMPONENTS LISTED

ECL (KOREA): SERIAL #5-2077

EINECS (EUROPE): #219-616-8

ENCS (JAPAN): NC

FDA STATUS: NL

OTHER TYPICAL DATA IN PPM:

BARIUM <10
 SELENIUM <10

< = NOT FOUND AT TEST LEVEL SHOWN. IF PRESENT, UNMEASURABLE TRACE IS BELOW LEVEL INDICATED.

RCRA: NOT HAZARDOUS IN IT'S PURCHASED FORM. HOWEVER, UNDER RCRA, IT IS THE PRODUCT USER'S RESPONSIBILITY TO DETERMINE AT TIME OF DISPOSAL IF ANY MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT IS A HAZARDOUS WASTE.

SARA 311/312: IMMEDIATE/ACUTE HEALTH HAZARD : YES
 DELAYED/CHRONIC HEALTH HAZARD : YES
 FIRE HAZARD : NO
 SUDDEN RELEASE OF PRESSURE HAZARD: NO
 REACTIVITY HAZARD : NO

SARA 313: NR

TSCA: COMPONENTS LISTED

USDA: NL

WHMIS: NC

 SECTION 16 OTHER INFORMATION

ACRONYM LIST

NA = NOT APPLICABLE TO THIS MATERIAL
 NC = NOT CERTAIN, UNDETERMINED
 ND = NO DATA IS CURRENTLY AVAILABLE
 NE = NOT ESTABLISHED, NO TESTING IS PLANNED
 NH = NOT HAZARDOUS UNDER CITED REGULATIONS
 NK = NONE KNOWN
 NL = NOT LISTED OR APPROVED UNDER THESE REGULATIONS
 NR = NOT REGULATED OR REPORTABLE

NIOSH = NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH

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