

11/16/2006 11:42 FAX 530 365 6483

YALEY ENTERPRISES

003

CODE: 706-C14-50

TRADE NAME: S S VIOLET 14

PAGE NO: 2

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

PREPARATION DATE

02-10-99

SECTION 1 CHEMICAL IDENTIFICATION

C.I. NAME : SOLVENT VIOLET 14
C.I. NUMBER : 61735
CAS NUMBER : 6005-40-1
CHEMICAL FAMILY: ANTHRAQUINONE DYE
PHYSICAL FORM : POWDER

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

Table with 5 columns: COMPONENT NAME, CAS NUMBER, PEL, TLV, %. Row 1: C.I. SOLVENT VIOLET 14*, 6005-40-1, NE, NE, 100

*READ & UNDERSTAND SECTIONS 3, 8 & 11 FOR 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, R

EMERGENCY OVERVIEW:

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

POSSIBLE HEALTH EFFECTS:

EYE CONTACT: NO ANIMAL TOXICITY DATA IS CURRENTLY AVAILABLE, HOWEVER, THIS MATERIAL IS EXPECTED TO CAUSE EYE IRRITATION. 1
SKIN CONTACT: NO ANIMAL TOXICITY DATA IS CURRENTLY AVAILABLE, HOWEVER, THIS MATERIAL IS EXPECTED TO CAUSE MILD SKIN IRRITATION. 1
BREATHING DUST: NO ANIMAL TOXICITY DATA IS CURRENTLY AVAILABLE, HOWEVER, THIS MATERIAL IS EXPECTED TO CAUSE CONGESTION OR IRRITATION OF THE UPPER LININGS OF THE NOSE, THROAT AND LUNGS. 1
SWALLOWING: NO ANIMAL TOXICITY DATA IS CURRENTLY AVAILABLE, HOWEVER, IF SWALLOWED, ONE CAN EXPERIENCE NAUSEA, VOMITING, ABDOMINAL PAIN, STOMACH DISTRESS, INTESTINE DISTRESS AND DIARRHEA. 1

SENSITIZATION: NK

TARGET ORGANS: EYES, LUNGS, SKIN, NOSE, THROAT, STOMACH, INTESTINES 1

11/16/2006 11:42 FAX 530 365 6483

YALEY ENTERPRISES

005

CODE: 706-014-30

TRADE NAME: S E VIOLET PA

PAGE NO: 4

WEAR A NIOSH APPROVED DUST RESPIRATOR, WITH ALL PROTECTIVE CLOTHING AND EQUIPMENT AS DESCRIBED IN SECTION 4 OF THIS MSDS. READ SECTION 8.

CONTAIN AND CLEAN UP SPILL IMMEDIATELY. SWEEP POWDERS CAREFULLY, USING AN ABSORBENT (SUCH AS SWEETINE 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. WHEN PACKING OR DISPENSING TO/ FROM DRUMS OR OTHER CONTAINERS, INSURE THAT ALL CONTAINERS ARE PROPERLY GROUNDED TO MINIMIZE THE EFFECTS OF STATIC CHARGE BUILDUP.

SHELF LIFE: INDEFINITE WHEN STORED CAREFULLY AS INSTRUCTED ABOVE.

FOR PERSONAL HYGIENE PROTECTION, EMPLOYEES SHOULD WASH THOROUGHLY AFTER HANDLING PRODUCT. WASH HANDS WITH PLENTY OF SOAP AND WATER AND RINSE WELL BEFORE EATING, SMOKING OR USING THE RESTROOM.

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 PRECAUTIONS: EYE WASH FACILITY & DRESS SHOWERS SHOULD BE LOCATED

Item Numbers 160987-6041 10' FROM ALL 1" DRAINAGE WALLS OF THE WORK AREA, PER ANSI Z352.1-1994 Page 4 of 8

11/16/2006 11:42 FAX 530 365 6483

YALEY ENTERPRISES

006

CODE: 700-014-10

TRADE NAME: S S VIOLET BA

PAGE NO: 5

VENTILATION: LOCAL EXHAUST IS RECOMMENDED.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION : DARK VIOLET POWDER; PRACTICALLY NO ODOR
 MELTING POINT : NF
 WATER SOLUBILITY : INSOLUBLE
 PH : NF
 % NON-VOLATILE : > 99

SECTION 10 STABILITY AND REACTIVITY

STABILITY : STABLE
 CONDITIONS TO AVOID : HEAT; EXPOSURE TO OPEN FLAMES
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
 INCOMPATIBLE MATERIALS : OXIDIZING AGENTS
 HAZARDOUS DECOMPOSITION PRODUCTS: BURNING CAN PRODUCE OXIDES OF CARBON AND NITROGEN, AND OTHER POSSIBLY TOXIC OR OTHERWISE HARMFUL FUMES.

SECTION 11 TOXICOLOGY INFORMATION

ORAL LD50 (RAT): NF
 DERMAL LD50 (RAT): NF
 INHALATION LD50 (RAT): NF

EYE EFFECTS (RABBIT): NF, TAKE PRECAUTIONS. 1
 SKIN EFFECTS (RABBIT): NF, TAKE PRECAUTIONS. 1
 BREATHING EFFECT: NF, TAKE PRECAUTIONS. 1

CHECK SECTION 5 FOR ANY OTHER OBSERVATIONS, EXPECTATIONS OR COMMENTS.

1) NO ANIMAL TOXICITY DATA IS CURRENTLY AVAILABLE FOR 100% PRODUCT. AS A PRECAUTION IT IS RECOMMENDED THAT ALL WORKERS WEAR ALL OF THE PROTECTIVE CLOTHING AND EQUIPMENT DESCRIBED IN SECTION 8. 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 5 AND 8.

MUTAGENICITY: NK

ADDITIONAL INFORMATION: CHECK SECTION 8

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. USE A RESPIRATOR WHEN NECESSARY.

11/16/2006 11:42 FAX 530 365 6483

YALEY ENTERPRISES

007

CODE: 705-014-50

TRADE NAME: C & VIOLET PA

PAGE NO: 6

SECTION 12 ECOLOGICAL DATA

BOD 5: NE
 COD: NE
 FISH TOXICITY: NE
 SEED TOXICITY: NE
 CWA TOXIC POLLUTANTS: N/A
 BIOLOGICAL 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 ITS 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 13, REGULATORY INFORMATION

DO NOT RELEASE ANY CHEMICALS, DYES OR DYE SOLUTIONS INTO ANY 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): NE

IATA STATUS (AIR): NE

SECTION 15 REGULATORY INFORMATION

AICS (AUSTRALIA): COMPONENT: LISTED

CAL. PROP. 65: CHROMIUM (<.5), TOTAL CHROMIUM (.5.3), LEAD (<1), MERCURY (<.5)
 HEXAVALENT CHROMIUM IS A LISTED SUBSTANCE. MINUTE TRACES MAY BE PRESENT IN
 TOTAL PPM CHROMIUM. NOTE: PPM QUANTITIES APPLY TO 100% PRODUCT. FOR COLOR
 USED AT A PER CENT OF 1% OR LESS, WHEN MAKING CAL. PROP. 65 DETERMINATION FOR
 END-USE SLOTS, CALCULATE WITH ACTUAL BLENDING PRESENT. EXAMPLE: WITH 3% COLOR

END-PRODUCTS: 3 CHROMIUM PRESENT AT <10 PPM IN 100% DYE, ACTUAL

Item Numbers: 60987-6047

Page 6 of 8

11/16/2006 11:43 FAX 530 365 6483

YALEY ENTERPRISES

008

CODE: 714-014-50

TRADE NAME: S S VIOLET EA

PAGE NO: 7

AMOUNT PRESENT FROM COLOR = 0.30 PPM = 0.00009%
 CERCLA: NA
 CLEAN AIR ACT:
 TITLE III-HAP'S: NA
 TITLE V-VOC'S: SEE SECTION 4
 TITLE VI-HAP'S: NOT MANUFACTURED WITH NOP CONTAINING CLASS I OR II ODC'S
 CONEG-TYPICAL METALS PRESENT IN PPM:
 CADMIUM <0.5
 CHROMIUM 5.77 (TOTAL INCLUDING HEXAVALENT Cr+6)
 LEAD <1.0
 MERCURY <0.5
 DSL (CANADA): COMPONENTS LISTED
 ECL (KOREA): SERIAL #K103243
 EINECS (EUROPE): 1202-337-1
 ENCS (JAPAN): NOT LISTED
 FDA STATUS: NL
 OTHER TYPICAL DATA IN PPM: NA
 ANTIMONY <0.01
 ARSENIC <0.01
 COBALT <0.01
 COPPER <0.01
 SELENIUM <0.01
 ZINC <0.01

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 CONTAINS THE PRODUCT OR DERIVED FROM THE PRODUCT IS A HAZARDOUS WASTE.

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

SARA 313: NA
 TSCA: COMPONENTS LISTED
 USDA: NL
 WHMIS: D-2-5

 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

THE INFORMATION AND REGULATIONS CONTAINED HEREIN ARE BASED UPON DATA
 AVAILABLE TO US. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND

11/16/2006 11:43 FAX 530 365 6483

YALEY ENTERPRISES

009

CODE: 704-014-50

TRADE NAME: S & S VIOLET AA

PAGE NO: 8

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HEREIN. THIS MATERIAL SAFETY DATA SHEET WAS PREPARED TO COMPLY WITH THE
OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200, AND SUPERSEDES ANY
PREVIOUS INFORMATION. PREVIOUSLY DATED SHEETS ARE INVALID & UNAPPLICABLE.