

ITEM: 6KWR5 - Pipe Cement, 32 fl oz, Clear

DELIVERY: 6637439857

HU NUMBER: U890352250

SDS F5920

SAFETY DATA SHEET (SDS)

This SDS should be attached or kept with the respective product with which it is associated.

SDS - F5920

Associated Items
6KWR5

WELD ON(R*)

GHS SAFETY DATA SHEET

WELD-ON(R*)700(TM) LOW VOC CEMENT FOR PVC PLASTIC PIPE

DATE REVISED: JUN 2018

SUPERSEDES: APR 2015

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION-----

PRODUCT NAME: WELD-ON(R*)700(TM) LOW VOC CEMENT FOR PVC PLASTIC PIPE

PRODUCT USE: LOW VOC SOLVENT CEMENT FOR PVC PLASTIC PIPE

SUPPLIER:

MANUFACTURER:
IPS CORPORATION
17109 SOUTH MAIN STREET
GARDENA, CA 90248-3127

P.O. BOX 379
GARDENA, CA 90247-0379

TEL.: 1-310-898-3300

EMERGENCY:
TRANSPORTATION:
CHEMTEL TEL.: 800.255-3924, +1 813-248-0585 (INTERNATIONAL)

MEDICAL:
CHEMTEL TEL.: 800.255-3924, +1 813-248-0585 (INTERNATIONAL)

-----SECTION 2 - HAZARDS IDENTIFICATION-----

GHS CLASSIFICATION:

HEALTH:
ACUTE TOXICITY: CATEGORY 4
SKIN IRRITATION: CATEGORY 3
SKIN SENSITIZATION: NO
EYE: CATEGORY 2

ENVIRONMENTAL:
ACUTE TOXICITY: NONE KNOWN
CHRONIC TOXICITY: NONE KNOWN

PHYSICAL:
FLAMMABLE LIQUID: CATEGORY 2

GHS LABEL:
FLAME
EXCLAMATION MARK
HEALTH HAZARD

SIGNAL WORD: DANGER

WHMIS CLASSIFICATION:
CLASS B, DIVISION 2
CLASS D, DIVISION 1B

HAZARD STATEMENTS:
H225: HIGHLY FLAMMABLE LIQUID AND VAPOR
H319: CAUSES SERIOUS EYE IRRITATION
H335: MAY CAUSE RESPIRATORY IRRITATION
H336: MAY CAUSE DROWSINESS OR DIZZINESS
H351: SUSPECTED OF CAUSING CANCER
EUH019: MAY FORM EXPLOSIVE PEROXIDES

PRECAUTIONARY STATEMENTS:
P210: KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES - NO SMOKING

P261: AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY

P280:
WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION

P337+P313: GET MEDICAL ADVICE/ATTENTION

P403+P233: STORE IN A WELL VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED

P501: DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL REGULATION

-----SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS-----

CAS#	EINECS #	REACH PRE-REGISTRATION NUMBER	CONCENTRATION % BY WEIGHT
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TETRAHYDROFURAN 109-99-9 203-726-8 05-2116297729-22-0000 10 - 30

(THF)

METHYL ETHYL KETONE (MEK) 78-93-3 201-159-0 05-2116297728-24-0000 25 - 40

CYCLOHEXANONE 108-94-1 203-631-1 05-2116297718-25-0000 20 - 30

ACETONE 67-64-1 200-662-2 05-2116297713-35-0000 5 - 15

ALL OF THE CONSTITUENTS OF THIS ADHESIVE PRODUCT ARE LISTED ON THE TSCA INVENTORY OF CHEMICAL SUBSTANCES MAINTAINED BY THE US EPA, OR ARE EXEMPT FROM THAT LISTING.

* INDICATES THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 (40 CFR 372).

INDICATES THAT THIS CHEMICAL IS FOUND ON PROPOSITION 65'S LIST OF CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY.

-----SECTION 4 - FIRST AID MEASURES-----

CONTACT WITH EYES:
FLUSH EYES IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES AND SEEK MEDICAL ADVICE IMMEDIATELY.

SKIN CONTACT:
REMOVE CONTAMINATED CLOTHING AND SHOES. WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF IRRITATION DEVELOPS, SEEK MEDICAL ADVICE.

INHALATION:
REMOVE TO FRESH AIR. IF BREATHING IS STOPPED, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK MEDICAL ADVICE.

INGESTION:
RINSE MOUTH WITH WATER. GIVE 1 OR 2 GLASSES OF WATER OR MILK TO DILUTE. DO NOT INDUCE VOMITING. SEEK MEDICAL ADVICE IMMEDIATELY.

LIKELY ROUTES OF EXPOSURE: INHALATION, EYE AND SKIN CONTACT

ACUTE SYMPTOMS AND EFFECTS:

INHALATION:
SEVERE OVEREXPOSURE MAY RESULT IN NAUSEA, DIZZINESS, HEADACHE. CAN CAUSE DROWSINESS, IRRITATION OF EYES AND NASAL PASSAGES.

EYE CONTACT:
VAPORS SLIGHTLY UNCOMFORTABLE. OVEREXPOSURE MAY RESULT IN SEVERE EYE INJURY WITH CORNEAL OR CONJUNCTIVAL INFLAMMATION ON CONTACT WITH THE LIQUID.

SKIN CONTACT:
LIQUID CONTACT MAY REMOVE NATURAL SKIN OILS RESULTING IN SKIN IRRITATION. DERMATITIS MAY OCCUR WITH PROLONGED CONTACT.

INGESTION:
MAY CAUSE NAUSEA, VOMITING, DIARRHEA AND MENTAL SLUGGISHNESS.

CHRONIC (LONG-TERM) EFFECTS: CATEGORY 2 CARCINOGEN

-----SECTION 5 - FIREFIGHTING MEASURES-----

SUITABLE EXTINGUISHING MEDIA:
DRY CHEMICAL POWDER, CARBON DIOXIDE GAS, FOAM, HALON, WATER FOG.

UNSUITABLE EXTINGUISHING MEDIA: WATER SPRAY OR STREAM.

EXPOSURE HAZARDS: INHALATION AND DERMAL CONTACT

COMBUSTION PRODUCTS: OXIDES OF CARBON, HYDROGEN CHLORIDE AND SMOKE

PROTECTION FOR FIREFIGHTERS:
SELF-CONTAINED BREATHING APPARATUS OR FULL-FACE POSITIVE PRESSURE AIRLINE MASKS.

HMS NFPA
HEALTH 2 2
FLAMMABILITY 3 3
REACTIVITY 0 0
PPE B

0-MINIMAL
1-SLIGHT
2-MODERATE
3-SERIOUS
4-SEVERE

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES-----

PERSONAL PRECAUTIONS:
KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.

PROVIDE SUFFICIENT VENTILATION, USE EXPLOSION-PROOF EXHAUST VENTILATION EQUIPMENT OR WEAR SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT.

PREVENT CONTACT WITH SKIN OR EYES (SEE SECTION 8).



ENVIRONMENTAL PRECAUTIONS:
PREVENT PRODUCT OR LIQUIDS CONTAMINATED WITH PRODUCT FROM ENTERING SEWERS,
DRAINS, SOIL OR OPEN WATER COURSE.

METHODS FOR CLEANING UP:
CLEAN UP WITH SAND OR OTHER INERT ABSORBENT MATERIAL. TRANSFER TO A
CLOSABLE STEEL VESSEL.

MATERIALS NOT TO BE USED FOR CLEAN UP: ALUMINUM OR PLASTIC CONTAINERS

-----SECTION 7 - HANDLING AND STORAGE -----

HANDLING:
AVOID BREATHING OF VAPOR, AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

KEEP AWAY FROM IGNITION SOURCES, USE ONLY ELECTRICALLY GROUNDED HANDLING
EQUIPMENT AND ENSURE ADEQUATE VENTILATION/FUME EXHAUST HOODS.

DO NOT EAT, DRINK OR SMOKE WHILE HANDLING.

STORAGE:
STORE IN VENTILATED ROOM OR SHADE BELOW 44 DEG. C (110 DEG. F) AND AWAY
FROM DIRECT SUNLIGHT.

KEEP AWAY FROM IGNITION SOURCES AND INCOMPATIBLE MATERIALS:
CAUSTICS, AMMONIA, INORGANIC ACIDS, CHLORINATED COMPOUNDS, STRONG
OXIDIZERS AND ISOCYANATES.

FOLLOW ALL PRECAUTIONARY INFORMATION ON CONTAINER LABEL, PRODUCT BULLETINS
AND SOLVENT CEMENTING LITERATURE.

-----SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / -----
PERSONAL PROTECTION

EXPOSURE LIMITS:

COMPONENT TLV	ACGIH STEL	ACGIH PEL	OSHA STEL	OSHA
TETRAHYDRO- FURAN (THF)	50 PPM	100 PPM	200 PPM	N/E
METHYL ETHYL KETONE (MEK)	200 PPM	300 PPM	200 PPM	N/E
CYCLOHEXANONE	20 PPM	50 PPM	50 PPM	N/E
ACETONE	500 PPM	750 PPM	1000 PPM	N/E

COMPONENT CEILING	OSHA PEL- PEL	CAL/OSHA CEILING	CAL/OSHA STEL	CALS/OSHA
TETRAHYDRO- FURAN (THF)	N/E	200 PPM	N/E	250 PPM
METHYL ETHYL KETONE (MEK)	N/E	200 PPM	N/E	300 PPM
CYCLOHEXANONE	N/E	25 PPM	N/E	N/E
ACETONE	N/E	500 PPM	3000 PPM	750 PPM

ENGINEERING CONTROLS: USE LOCAL EXHAUST AS NEEDED.

MONITORING:
MAINTAIN BREATHING ZONE AIRBORNE CONCENTRATIONS BELOW EXPOSURE LIMITS.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

EYE PROTECTION:
AVOID CONTACT WITH EYES, WEAR SPLASH-PROOF CHEMICAL GOGGLES, FACE SHIELD,
SAFETY GLASSES (SPECTACLES) WITH BROW GUARDS AND SIDE SHIELDS, ETC. AS
MAY BE APPROPRIATE FOR THE EXPOSURE.

SKIN PROTECTION:
PREVENT CONTACT WITH THE SKIN AS MUCH AS POSSIBLE. BUTYL RUBBER GLOVES
SHOULD BE USED FOR FREQUENT IMMERSION.

USE OF SOLVENT-RESISTANT GLOVES OR SOLVENT-RESISTANT BARRIER CREAM SHOULD
PROVIDE ADEQUATE PROTECTION WHEN NORMAL ADHESIVE APPLICATION PRACTICES
AND PROCEDURES ARE USED FOR MAKING STRUCTURAL BONDS.

RESPIRATORY PROTECTION:
PREVENT INHALATION OF THE SOLVENTS. USE IN A WELL-VENTILATED ROOM, OPEN
DOORS AND/OR WINDOWS TO ENSURE AIRFLOW AND AIR CHANGES. USE LOCAL EXHAUST
VENTILATION TO REMOVE AIRBORNE CONTAMINANTS FROM EMPLOYEE BREATHING ZONE
AND TO KEEP CONTAMINANTS BELOW LEVELS LISTED ABOVE. WITH NORMAL USE, THE
EXPOSURE LIMIT VALUE WILL NOT USUALLY BE REACHED. WHEN LIMITS APPROACHED,
USE RESPIRATORY PROTECTION EQUIPMENT.

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE: CLEAR, REGULAR SYRUPY LIQUID

ODOR: KETONE

ODOR THRESHOLD: 0.88 PPM (CYCLOHEXANONE)

PH: NOT APPLICABLE

MELTING/FREEZING POINT:
-108.5 DEG. C (-163.3 DEG. F) BASED ON FIRST MELTING COMPONENT: THF

BOILING RANGE:

56 DEG. C (133 DEG. F) TO 156 DEG. C (313 DEG. F)

BOILING POINT:
56 DEG. C (133 DEG. F) BASED ON FIRST BOILING COMPONENT: ACETONE

EVAPORATION RATE: >1.0 (BUAC = 1)

FLASH POINT:
-20 DEG. C (-4 DEG. F) TCC BASED ON ACETONE

FLAMMABILITY: CATEGORY 2

SPECIFIC GRAVITY: 0.907 @23 DEG. C (73 DEG. F)

FLAMMABILITY LIMITS:
LEL: 1.1% BASED ON CYCLOHEXANONE
UEL: 12.8% BASED ON ACETONE

SOLUBILITY:
SOLVENT PORTION SOLUBLE IN WATER. RESIN PORTION SEPARATES OUT.

PARTITION COEFFICIENT N-OCTANOL/WATER: NOT AVAILABLE

VAPOR PRESSURE: 190 MMHg @ 20 DEG. C (68 DEG. F) ACETONE

AUTO-IGNITION TEMPERATURE: 321 DEG. C (610 DEG. F) BASED ON THF

VAPOR DENSITY: >2.0 (AIR = 1)

DECOMPOSITION TEMPERATURE: NOT APPLICABLE

OTHER DATA:
VISCOSITY: REGULAR BODIED

VOC CONTENT:
WHEN APPLIED AS DIRECTED, PER SCAQMD RULE 1168, TEST METHOD 316A, VOC
CONTENT IS: <510 G/L.

-----SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY: STABLE

HAZARDOUS DECOMPOSITION PRODUCTS:
NONE IN NORMAL USE. WHEN FORCED TO BURN, THIS PRODUCT GIVES OFF OXIDES
OF CARBON, HYDROGEN CHLORIDE AND SMOKE.

CONDITIONS TO AVOID:
KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME AND OTHER IGNITION SOURCES.

INCOMPATIBLE MATERIALS: OXIDIZERS, STRONG ACIDS AND BASES, AMINES, AMMONIA

-----SECTION 11 - TOXICOLOGICAL INFORMATION -----

TOXICITY:

LD50 LC50 TARGET ORGANS

TETRAHYDROFURAN ORAL: INHALATION 3 HRS.: STOT SE3
(THF) 2842 MG/KG 21,000 MG/M3 (RAT)
(RAT)

METHYL ETHYL ORAL: INHALATION 8 HRS.: STOT SE3
KETONE (MEK) 2737 MG/KG 23,500 MG/M3 (RAT)
(RAT)

DERMAL:
6480 MG/KG
(RABBIT)

CYCLOHEXANONE ORAL: INHALATION 4 HRS.:
1535 MG/KG 8,000 PPM (RAT)
(RAT)

DERMAL:
948 MG/KG
(RABBIT)

ACETONE ORAL: INHALATION: STOT SE3
5800 MG/KG 50,100 MG/M3
(RAT) (RAT)

REPRODUCTIVE EFFECTS: NOT ESTABLISHED

TERATOGENICITY: NOT ESTABLISHED

MUTAGENICITY: NOT ESTABLISHED

EMBRYOTOXICITY: NOT ESTABLISHED

SENSITIZATION TO PRODUCT: NOT ESTABLISHED

SYNERGISTIC PRODUCTS: NOT ESTABLISHED

-----SECTION 12 - ECOLOGICAL INFORMATION -----

ECOTOXICITY: NONE KNOWN

MOBILITY:
IN NORMAL USE, EMISSION OF VOLATILE ORGANIC COMPOUNDS (VOC'S) TO THE AIR
TAKES PLACE, TYPICALLY AT A RATE OF </=510 G/L.

DEGRADABILITY: NOT READILY BIODEGRADABLE

BIOACCUMULATION: MINIMAL TO NONE.



-----SECTION 13 - WASTE DISPOSAL CONSIDERATIONS -----

FOLLOW LOCAL AND NATIONAL REGULATIONS. CONSULT DISPOSAL EXPERT.

-----SECTION 14 - TRANSPORT INFORMATION -----

PROPER SHIPPING NAME: ADHESIVES

HAZARD CLASS: 3

SECONDARY RISK: NONE

IDENTIFICATION NUMBER: UN 1133

PACKING GROUP: PG II

LABEL REQUIRED: CLASS 3 FLAMMABLE LIQUID

MARINE POLLUTANT: NO

EXCEPTION FOR GROUND SHIPPING:

DOT LIMITED QUANTITY:
UP TO 5L PER INNER PACKAGING, 30 KG GROSS WEIGHT PER PACKAGE.

CONSUMER COMMODITY:
DEPENDING ON PACKAGING, THESE QUANTITIES MAY QUALIFY UNDER DOT AS "ORM-D".

TDG INFORMATION:
TDG CLASS: FLAMMABLE LIQUID 3
SHIPPING NAME: ADHESIVES
UN NUMBER/PACKING GROUP: UN 1133, PG II

-----SECTION 15 - REGULATORY INFORMATION -----

PRECAUTIONARY LABEL INFORMATION:
HIGHLY FLAMMABLE, IRRITANT, CARC. CAT. 2

SYMBOLS: F, XI

INGREDIENT LISTINGS:
USA TSCA, EUROPE EINECS, CANADA DSL, AUSTRALIA AICS, KOREA ECL/TCCL,
JAPAN MITI (ENCS)

RISK PHRASES:
R11: HIGHLY FLAMMABLE.
R36/37: IRRITATING TO EYES AND RESPIRATORY SYSTEM.
R66: REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING
R67: VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS

SAFETY PHRASES:
S2: KEEP OUT OF THE REACH OF CHILDREN

S9: KEEP CONTAINER IN A WELL-VENTILATED PLACE.

S25: AVOID CONTACT WITH EYES.

S16: KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.

S26:
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND
SEEK MEDICAL ADVICE.

S33: TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.

-----SECTION 16 - OTHER INFORMATION -----

SPECIFICATION INFORMATION:

DEPARTMENT ISSUING DATA SHEET:
IPS, SAFETY HEALTH & ENVIRONMENTAL AFFAIRS
ALL INGREDIENTS ARE COMPLIANT WITH THE REQUIREMENTS OF THE EUROPEAN

E-MAIL ADDRESS:
<EHSINFO@IPSCORP.COM>
DIRECTIVE ON ROHS (RESTRICTION OF HAZARDOUS SUBSTANCES).

TRAINING NECESSARY:
YES, TRAINING IN PRACTICES AND PROCEDURES CONTAINED IN PRODUCT LITERATURE.

REISSUE DATE / REASON FOR REISSUE: 6/21/2018 / UPDATED GHS STANDARD FORMAT

INTENDED USE OF PRODUCT:
SOLVENT CEMENT FOR PVC PLASTIC PIPE

THIS PRODUCT IS INTENDED FOR USE BY SKILLED INDIVIDUALS AT THEIR OWN RISK.
THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE BASED
ON CURRENT STATE OF KNOWLEDGE AND EXPERIENCE. HOWEVER, NO WARRANTY IS
EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS
TO BE OBTAINED FROM THE USE THEREOF.

