

MATERIAL SAFETY DATA SHEET

JC5A, Jointing Compound
FMI1024

Effective Date: 07/08/02

SECTION I - MANUFACTURER AND PRODUCT INFORMATION

PRC-DeSoto International, Inc.
A PPG Industries Company
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Trade Name: JC5A, Jointing Compound
One Component
Product Code: FMI1024
Form ID No: 01T
Product Class: Polyester resin in solvents
Synonyms:

HMIS HAZARD RATING
HEALTH - 2
FLAMMABILITY - 3
REACTIVITY - 0
PPE - H
None (0) --->Extreme (4)

SECTION II - COMPOSITION

INGREDIENTS INFORMATION

CAS NUMBER	Wt %	CHEMICAL IDENTITY
Notknown002	30 - 60	Polyester Polyol
010294-40-3	10 - 30	Barium Chromate
001332-58-7	10 - 30	Kaolin
001330-20-7	10 - 30	Xylene
000637-12-7	< 5	Octadecanoic acid, aluminum salts
000071-36-3	< 5	n-Butyl Alcohol
001314-13-2	< 5	Zinc Oxide
014808-60-7	< 2	Crystalline Silica Quartz

EXPOSURE LIMITS

CAS NUMBER	EXPOSURE LIMITS (ppm)					
	ACGIH TLVs			OSHA PELs		
	TWA	STEL		TWA	STEL	
Notknown002	N/E	N/E		N/E	N/E	
010294-40-3	0.5 mg/m3	N/Av		0.5 mg/m3	N/Av	
001332-58-7	2 mg/m3	N/E		10 mg/m3	N/E	S
001330-20-7	100	150		100	150	S
000637-12-7	N/E	N/E		N/E	N/E	
000071-36-3	25	N/E		50	N/E	S
001314-13-2	10 mg/m3	N/E		10 mg/m3	N/E	S
014808-60-7						

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0.1 mg/m3 N/E 0.1 mg/m3 N/E S

Footnotes

- (S) Occupational Exposure Standard
- (R) Supplier's Recommended Limit

N/Av = Not Available N/Ap = Not Applicable
N.E. = Not Established NotknownXXX = CAS Number is not known.

SECTION III - HAZARDS IDENTIFICATION

Permissible Exposure Limits for Product:
Not established for product. See Section II.

ROUTE OF ENTRY AND EFFECTS OF OVEREXPOSURE

ROUTE OF ENTRY:

Inhalation and dermal.

INHALATION:

Vapor and mist will irritate nose, throat and respiratory tract.
High vapor concentration may cause dizziness, drowsiness and
fatigue.

EYE CONTACT:

Vapor, mist or liquid is severely irritating to eyes and cause
blurred vision, redness and tearing.

SKIN CONTACT:

Liquid can cause severe skin irritation with drying, defatting,
splitting and cracking on repeated contact.

INGESTION:

Liquid can cause irritation of gastro-intestinal tract followed by
nausea and vomiting, abdominal discomfort, and rapid pulse.

DELAYED EFFECTS:

Repeated overexposure may cause central nervous systems depression,
and kidney/liver damage.

Contains an ingredient listed as known or suspected carcinogen?

NTP: Yes OSHA: No IARC: Yes

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SECTION IV - FIRST AID MEASURES

INHALATION:

If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical facility and, if available, give supplemental oxygen.

EYE CONTACT:

For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

SKIN CONTACT:

For skin contact, wipe excess material with dry towel. Then wash exposed areas with plenty of water, and soap if available, for several minutes. Get medical attention if irritation occurs.

INGESTION:

If swallowed dilute by giving two(2) glasses of water to drink. Get immediate medical attention. Never give anything by mouth to an unconscious person.

GENERAL:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

SECTION V - FIRE AND EXPLOSION HAZARD IDENTIFICATION

FLASHPOINT: 83 F 28.33 C Method: Setaflash
LEL (%): 1.0 UEL (%): N/Av

FLAMMABILITY CLASSIFICATION:
Flammable

FIRE AND EXPLOSION HAZARDS:

Decomposition and combustion products may be hazardous. High temperatures may cause pressure build-up in closed containers. Vapors may accumulate in inadequately ventilated or confined areas. Vapors may form explosive mixture with air. Vapors are heavier than air and may travel long distances. Flashback or flame to the handling site may occur. Closed containers may explode when exposed to extreme heat.

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, foam.

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FIRE FIGHTING PROCEDURES:

Water spray may be ineffective. Cool fire exposed containers with water. Fog nozzles are preferable. Wear NIOSH/MSHA approved self-contained breathing apparatus and complete protective clothing to prevent contact with skin and eyes.

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Remove all ignition sources. Wear an air-supplied respirator for an unventilated spill. Cover with absorbent. Scoop into containers using non-sparking tools. Clean up residue with a suitable cleaning solvent. Wear appropriate personal protective equipment (See Section VIII).

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container tightly closed. Isolate from heat, electrical equipment, sparks and flame. Use grounding and bonding procedures during transfer. Do not store above 120 degrees F. Vapors of this product are heavier than air and may collect in low or confined areas. Empty drums may contain explosive vapors. Do not cut, puncture, or weld on or near drum. Wear proper personal protective equipment (See Section VIII). Wash thoroughly after handling and before smoking or eating.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Local and/or general ventilation as required to maintain hazardous ingredients below recommended (ACGIH-TLV) or regulated (OSHA-PEL) limits.

RESPIRATORY PROTECTION:

When spraying or applying in any circumstances likely to produce airborne levels of solvent vapors in excess of the TLV, use an organic vapor cartridge or air-supplied respirator.

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EYE PROTECTION:

Chemical goggles or full-face shield.

SKIN PROTECTION:

Solvent resistant gloves.

GENERAL:

Safety shower, eye wash station and washing facilities should be available. When using in circumstances where skin contact is likely, use complete protective garments.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow
Physical State:	Paste
Low Boiling Point:	240 F 115.54 C
High Boiling Point:	277 F 136.1 C
Evaporation Rate:	Slower than n-butyl acetate
Vapor Density:	Heavier than air
% Volatiles by Volume:	16.5
Specific Gravity:	1.46
Liquid Density:	Heavier than water
Weight Per Gallon:	12.17
VOC (GR/L):	142
VOC (GR/L, Combined):	N/Av

SECTION X - STABILITY AND REACTIVITY

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATIBILITY:

Strong oxidizing agents.

CONDITIONS TO AVOID:

See incompatibilities above.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon and nitrogen, chromium compounds.

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SECTION XI - TOXICOLOGICAL INFORMATION

ACUTE ORAL, DERMAL AND INHALATION EFFECTS (LD50 AND LC50):

CAS NUMBER	LD50	LC50
Notknown002	N/AV.	N/AV.
010294-40-3	N/Av	N/Av
001332-58-7	N/AV.	N/AV.
001330-20-7	5400 mg/kg,oral, rat	6350 ppm, rat, 4hr.
000637-12-7	N/Av	N/Av
000071-36-3	1500 mg/kg,oral, rat	8000 ppm, rat, 4hr.
001314-13-2	7950 mg/kg,oral, rat	N/AV.
014808-60-7	5000 mg/kg,oral, rat	N/AV.

Carcinogenicity:

Chromium Compounds (Barium Chromate):

A potential lung health hazard may exist when chromate pigment dust levels exceed recommended & regulated levels. Prolonged exposure to large doses may be carcinogenic.

Symptoms may include tiredness, diminished appetite, metallic taste and stomach cramps, muscle weakness, intense headache. Kidney damage may occur without symptoms.

Crystalline Silica (Quartz):

Crystalline silica dust in its neat form is on the IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans (Volume 42, 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and there is limited evidence of the carcinogenicity of crystalline silica to humans. IARC Class 2A.

NOTICE:

There are no data available on the product itself.

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SECTION XII - ECOLOGICAL INFORMATION

NOTICE:

There are no data available on the product itself.

SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

When disposing of this material, ensure that it is packaged, stored, transported, and otherwise handled in accordance with local, state, and federal regulations.

EPA WASTE NUMBERS:

D-001 (Ignitable)
D-007 (Chromium)

SECTION XIV - TRANSPORT INFORMATION

DOT (Non-Bulk):

PROPER SHIPPING NAME: Adhesives
HAZARD CLASS: 3
UN NUMBER: UN 1133
PACKING GROUP: III
LABEL: Flammable liquid

SPECIAL NOTES:

None

SECTION XV - REGULATORY INFORMATION

TSCA Section 8(b) - Inventory Status:

All ingredients in this product are listed in the TSCA Inventory or are exempt from listing.

CANADIAN EPA - DSL Inventory Status:

The DSL status of this product is unknown at this time.

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SARA Title III Section 313 - Toxic Chemical List (TCL):

This product contains a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this product.

000071-36-3 n-Butyl Alcohol
001314-13-2 Zinc Oxide
001330-20-7 Xylene
010294-40-3 Barium Chromate

SARA Title III Section 302 - CERCLA:

This product contains the following chemicals regulated under Section 302 as extremely hazardous substance(s) for emergency release notification (CERCLA List).

000071-36-3 n-Butyl Alcohol 5000
001330-20-7 Xylene 1000

CALIFORNIA PROPOSITION 65 - Reportable ingredients:

Chemicals known by the state of CA to cause cancer:

This product contains the following chemical which is known to the state of California to cause cancer.

010294-40-3 Barium Chromate
014808-60-7 Crystalline Silica Quartz

Chemicals known by the state of CA to cause reproductive toxicity:

This product does not contain any chemicals currently on the California list of known Reproductive Toxins.

TSCA Section 12(b) - Export Notification:

This product does not contain any chemicals subject to Section 12(b) export notification.

CLEAN AIR ACT - Hazardous Air Pollutants (CAA Section 112):

This product contains the following chemicals regulated under Section 112 for National Emission Standards of Hazardous Air Pollutants notification.

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001330-20-7 Xylene
010294-40-3 Barium Chromate

Pennsylvania Right to Know - Reportable Ingredients:

The following is required composition information. Also, review Section II for additional information for other chemicals.

000071-36-3 n-Butyl Alcohol
001314-13-2 Zinc Oxide
001330-20-7 Xylene
001332-58-7 Kaolin

New Jersey Right to Know - Reportable Ingredients:

The following is required composition information. Also, review Section II for additional information for other chemicals.

000071-36-3 n-Butyl Alcohol
001314-13-2 Zinc Oxide
001330-20-7 Xylene
010294-40-3 Barium Chromate
014808-60-7 Crystalline Silica Quartz

SECTION XVI - OTHER INFORMATION

Effective Date: 07/08/02 Supersedes Date: 03/19/2002
Revision Number: 01
Revision Reason: Update Section 9 & 14

The information in this MSDS was obtained from sources which we believe to be reliable. However, since much of the information has been received from sources outside the company, it is provided without any warranty, expressed or implied, regarding its correctness, or suitability for specific situations. The conditions of handling, storage, use, and disposal of this product are beyond our control and may be beyond our knowledge. The user has the sole responsibility to determine the suitability of the material for any use, and the manner and conditions of use. Therefore, we cannot assume responsibility and expressly disclaim liability for loss, damage, injury, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Effects can be aggravated by other materials and/or this material may

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aggravate or add to the effects of other materials.

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