MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue H.W.
Cleveland, Ohio 44115
DATE OF PREPARATION
25-Jul-88 EMERGENCY TELEPHONE NO. (216) 566-2917

INFORMATION TELEPHONE NO. (216) 566-2902

Section I -- PRODUCT IDENTIFICATION

* - Trade Mark

PRODUCT NAME KEM-FLASH* KEM-FLASH* Prime PRODUCT NUMBERS AND COLORS E61 A 45 Gray E61 H 6 Buff

E61 R 26 Red Oxide E61 W 12 White

PRODUCT CLASS Alkyd Paint

	Section II	HAZARDOUS	INGREDIE	INTS		
OU No.	THURSDOOM	% by	WEIGHT ACCESS.	TLV OSEA-PEL	DESTR	7.2.
64742-48-9	V. M. & P. Naghtha.	30-	-35 3	00	PPM	12.0
64742-47-8	Mineral Spirits.		45 1	00 500	PPR	2.0
108-88-3	Toluene.		(5 1	00 200	PPW	22.0
14807-96-6	Talc		10	2	Hg/H3 at	s Dust
13463-67-7	Titanium Dioxide.	0-	-15 Not	Established		a Dunt

Section III -- PHYSICAL DATA

EVAPORATION RATE	Slover than Ether	VAPOR DENSITY	Heavier t	han Air
BOILING RANGE	VOLATILE	VOLUME	WT/G	AL
222-395 F	63 1	1	10.1-10	.9 lb.

Section IV -- FIRE AND EXPLOSION HAIARD DATA

FLAMMABILITY CLASSIFICATION FLAM RED LABEL -- Flammable, Flash below 100 F EXTINGUISHING MEDIA Carbon Dioxide, Dry Chemical, Foam UNUSUAL FIRE AND EXPLOSION HAZARDS FLASH POINT 50 F PMCC LEL 0.9

UNUSUAL FIRE AND EMPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open
flame. Closed containers may explode when exposed to extreme heat. Application to hot
surfaces requires special precautions. During emergency conditions overexposure to
decomposition products may cause a health hazard. Symptoms may not be immediately apparent.
Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be imeffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

page 2 E61 KEN_FLASS* Prime Section V -- HEALTH HAZARD DATA

Exposure may be by INHALATION and/or SKIN or ETE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Sazards

EFFECTS OF OVERSTRANDERS.

EFFECTS OF OVEREXPOSURE

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. Hay cause nervous system depression.

Extreme overexposure may result in unconsciousness and possibly death.

SIONS AND SYMPTOMS OF OVEREXPOSURE

Readeache, dizziness, nauses, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Readeacs and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

MEDICAL COMDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

ERERGIGNCY AND FIRST AID PROCEDURES

If INMALID: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SERN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

If in ETES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

CHRONIC Health Hazards

No ingredient in this product is am IARC, NTF or OSBA listed carcinogem.

Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood forwing, and cardio-vascular systems.

Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI -- REACTIVITY DATA

STABILITY -- Stable
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide
HAZARDOUS POLYMERIZATION -- Will Not Occur

Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Remove all sources of ignition. Ventilate and remove with inert a

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.
MASTE DISPOSAL METHOD
Waste from this product may be hazardous as defined under the Resource Conservation and
Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitiability and extractability to
determine the applicable EFA hazardous waste numbers.
Incinerate in approved facility. Do not incinerate closed container. Dispose of in
accordance with Federal, State, and Local regulations regarding pollution.

Section VIII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact
with skin and eyes. Vash hands after using.

This coating may contain materials classified as muisance particulates, such as titanium
dioxide or calcium carbonate (see ACGIB TLV List, Preface and Appendix D), which may be
present at hazardous levels only during sanding or abrading of the dried film. If no specific
dusts are listed in Section II, the applicable limits for muisance dusts are ACGIB TLV
10 mg./m3 (total dust), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).

Continued on page I

KEM-FLASB* Prime E61

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSMA Standards 1910.94, 1910.107, 1910.108.
RESPIRATORY PROTECTION

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, year
a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection
against materials in Section II.

When sanding, virebrushing, abrading, burning or welding the dried film, year a particulate
respirator approved by NIOSH/MSHA for protection against mon-volatile materials in Section II.
PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

Wear safety spectacles with unperforated sideshields.

Section IX -- PRECAUTIONS

DOL STORAGE CATEGORY -- 18

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are FLAMMANIE. Keep away from heat, sparks, and open flame.

During use and until all vapors are gone: Keep area ventilated - Do not smoke
Extinguish all flames, pilot lights, and heaters - Turn off stores, electric tools and

appliances, and any other sources of ignition.

Consult NFTA Code. Use approved Bonding and Grounding procedures.

Keep container closed whem not in use. Transfer only to approved containers with complete
and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

2 HEALTH 3 FLAMMABILITY 0 REACTIVITY

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product any substantially alter the composition and hazards of the product. Since condition use are outside our control, we make no varranties, express or implied, and assume no liability in connection with any use of this information.

NATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, Ohio 44115
DATE OF PREFARATION
25-Jul-88

EMERGENCY TELEPHONE NO. (216) 566-2917

* - Trade Mark

INFORMATION TELEPHONE NO. (216) 566-2902

Section I -- PRODUCT IDENTIFICATION

PRODUCT NAME Acrylic Enamel Primer PRODUCT NUMBERS AND COLORS

E61 A 60 E61 R 62 PRODUCT CLASS Alkyd Paint Gray Red Oxide

	Section II HAZARDO	US INGR	EDIENT	5		
OM No.	IMMEDIDINT	t by welcom	ACKER-TUP	COMM-PEL	WITH	V.P.
64742-47-8	Mineral Spirits. [in E61R62 only]	5	100	500	PPH	2.0
100-41-4	Ethylbenzene	<5	100	100	PPH	7.1
1330-20-7	Tylene.	25-30	100	100	PPH	5.9
64742-95-6	Light Aromatic Naphtha	10	100		PPH	3.8
14807-96-6	Tale	10	2			as Dust
13463-67-7	Titanius Dioxide. [in E61A60 only]	10	Not Est	ablished		as Dust
11103-86-9	Potassium Zinc Chromate.	<5	0.05		Hg/H3	
			- 133			
	Chromium VI (as Cr)	0.30	0.05		Hg/H3	

Section	III	 PHYSICAL	DATA	
F 61			taken programs	-

EVAPORATION RA WT/GAL 10.3 1b BOILING RANGE VOLATILE VOLUME 277-395 F Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLAS RED LABEL -- Flammable, Flash below 100 F EXTINGUISHING MEDIA FLASH POINT 76-80 F PMCC

Carbon Dioxide, Dry Chemical, Foam UNUSUAL FIRE AND EXPLOSION HAZARDS

UNDISTRATE FIRE AND EXPLOSION HAZARRES

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot swerfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent.

decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. SPECIAL FIRE FIGHTING PROCEDURES Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exponed to extreme heat.

E61 A 60 E61 R 62 Acrylic Enamel Primer

ROUTES OF EXPOSURE Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal rotective equipment.

Section V -- HEALTH HAZARD DATA

ACUTE Health Hazards EFFECTS OF OVEREXPOSURE

IRRITATION OF OVEREXPOSURE
IRRITATION of eyes, skim and respiratory system. Hay cause mervous system depression.
Extreme overexposure may result in unconsciousness and possibly death.
SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure neunacce, distincts, names, and loss of coordination are indications of excessive ex-to vapors or spray mists.

Medicas and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL COMDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INMALED: If affected, remove from exposure. Restore breathing. Keep varm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

If in ETES: Flash eyes with large amounts of water for 15 minutes. Get medical attention.

CHRONIC Health Hazards

CHRONIC Health Hazards
Chromates are listed by IARC and NTP. Studies have associated exposure to Chromium VI
compounds with an increased risk of respiratory cancer.
Frolonged overexposure to solvent ingredients in Section II may cause adverse effects to
the liver, urinary, and reproductive systems.
Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such
exposure levels are not attainable in the vorkplace.
Reports have associated repeated and prolonged overexposure to solvents with permanent brain
and nervous system damage.

Section VI -- REACTIVITY DATA

STABILITY -- Stable
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Doxáde, Carbon Monoxide, Oxides of Metals in Section II
HAZARDOUS POLYMERIZATION -- Will Not Occur

Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.
MASTE DISPOSAL METHOD
Waste from this product way be hazardous as defined under the Resource Conservation and
Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability and extractability to
determine the applicable BPA hazardous vaste numbers.
Incinerate in approved facility. Do not incinerate closed container. Dispose of in
accordance with Federal, State, and Local regulations regarding pollution.

Continued on page 3

Continued on page 2

E61 A 60 E61 B 62 Acrylic Enamel Primer

Section VIII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

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FRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid breathing vapor and spray mist, Avoid contact
with skin and eyes. Wash hands after using.
This coating may contain materials classified as nuisance particulates, such as titanium
dioxide or calcium carbonate (see ACCH TLV List, Freface and Appendix D), which may be
present at hazardous levels only during sanding or abrading of the dried film. If no specific
dusts are listed in Section II, the applicable limits for muisance dusts are ACCH TLV
10 mg./ml (total dust), OSBA PEL 15 mg./ml (total dust), 5 mg./ml (respirable fraction). VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSBA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSE/MSHA for protection against materials in Section II.

When sanding, wirebrushing, abrading, burning or welding the dried film, wear a particulate respirator approved by NIOSH/MSHA for protection against non-volatile materials in Section II. PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX -- PRECAUTIONS

DOL STORAGE CATEGORY -- 1C
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Contests are FLAMMANIA. Keep away from heat, sparks, and open flame.
During use and until all vapors are gone: Keep area ventilated - Do not smoke Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and
appliances, and any other sources of ignition.
Consult NFPA Code. Use approved Bonding and Grounding procedures.
Keep container closed when not in use. Transfer only to approved containers with complete
and appropriate labeling. Do not take internally. Keep out of the reach of children.
OTHER PRECAUTIONS
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful

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2 × HEALTH 3 FLAMMABILITY 0 REACTIVITY

This Material Safety Data Sheet conforms to the Mazard Communication standard, 29 cFR 1910.1200(g)(4), for similar complex mixtures.

The above information pertains to this product as currently formulated, and is based of the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since condit of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with amy use of this information. Since conditions P637X

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MATERIAL SAFETY DATA SHEET

AMUFACTURER'S NAME
THE SHERMIN-WILLIAMS COMPANY
101 Frospect Avenue N.W.
Cleveland, Ohjo 44115
DATE OF PREFARATION

EMERGENCY TELEPHONE NO. (216) 566-2917

INFORMATION TELEPHONE NO. (216) 566-2902 15-Apr-90

Section I -- PRODUCT IDENTIFICATION

* - Trade Mark
POLANE* T Polyurethane Enamel, Non-Lead Colors
PRODUCT NUMBERS AND COLORS

This MSDS covers products with MSDS code F63TX, including:

P63 R Y3 P63 R Y6 P63 T B4 P63 W 12 P63 Y Y4 Profile Gray Carbide Black Green Precision Tan Instrument Tan Red Oxide F63 R Y3 Red Oxide F63 R Y6 Magenta F63 T B4 Computer Base Additive F63 W 12 Linear White F63 Y Y4 Yellow Oxide F63 Y Y7 Orange Yellow Medium F63 Y Y10 Orange Yellow Light F63 L 17 Nitro Blue F63 L Y5 Blue

--- also Lead Hazard Free POLANE* T Custom Colors ---

Base component for 2-package Polyurethane Coating

Section II -- HAZARDOUS INGREDIENTS 108-88-3 « Toluene. [all except F63TB4] 5-10 150 PPW 1330-20-7 « Xylene. C5 5.9 100 PPW STEL. 150 150 PPW 200 PP 300 PP 25 (Skin) 150 PP 78-93-3 * Methyl Ethyl Ketone. [except F63RT6] 5-25 70.0 STEL. 108-94-1 Cyclohexanone n-Butyl Acetate. STEL 200 200 PPM 14807-96-6 7727-43-7 Talc 5-25 Mg/M3 as Resp. Dust Mg/M3 as Dust *** Mg/M3 as Dust *** Mg/M3 as Dust Barium Sulfate. 10(5) 0 - 15Titanium Dioxide. Carbon Black. 10 10(5) Hg/H3 as Dust *** 3.5 3.5 Hg/H3 as Dust *** Total Dust (Respirable Fraction) 13463-67-7 [in Blacks only]

These ingredients are subject to the reporting requirements of Section 313, (Title III Superfund Amendments and Reauthorization Act) and 40 CRF Part 372.

Section III -- PHYSICAL DATA

PRODUCT WEIGHT -- 8.4-11.1 lb./gal. EVAPORATION RATE -- Slower than Ether

SPECIFIC GRAVITY -- 1.0-1.3 VAPOR DENSITY -- Heavier than Air

BOILING RAMEE -- 174-320 F MELTING FOINT -- N.A.

VOLATILE VOLUME -- 61-74 % SOLUBLITY IN WATER -- N.A.

Continued on page 2

POLANS* T Polyurethane Enamel, Mon-Lead Colors INCOMPATIBILITY

HAZARDOUS DECOMPOSITION PRODUCTS Section VII -- SPILL OR LEAK PROCEDURES

Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Remove all sources of ignition. Ventilate and remove with inert absorbent. MASTE DISPOSAL METROD

WASTE DISPOSAL METHOD

Waste from this product may be hazardoust as defined under the Resource Conservation and
Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability and extractability to
determine the applicable EFA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in
accordance with Federal, State, and Local regulations regarding pollution.

Section VIII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

NO PERSON SHOULD USE THIS FRODOUT, OR RE IN THE AREA WHERE IT IS BEING USED, IF THEY HAVE
CHRONIC (LONG-TERM) LUNG OR REFATHING FROBLEMS OR IF THEY EVER HAD A REACTION TO ISOCTAMATES.

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact
with skin and eyes. Wash hands after using.

This coating may contain materials classified as muisance particulates (listed "as Dust" in
Section II) which may be present at hazardous levels only during sanding or abrading of the
dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance
dusts are ACGIM TLV 10 mg./m3 (total dust), OSMA FEL 15 mg./m3 (total dust), 5 mg./m3
(respirable fraction). (respirable fraction).

VENTILATION VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSRA Standards 1910.94, 1910.107, 1910.108.
RESPIRATORY PROTECTION

Where overspray is present, a positive pressure air supplied respirator (TC19C NIOGR/MSHA approved) should be worn. If unavailable, a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II may be effective. Follow respirator manufacturer's directions for use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. NO FERSONS SHOULD ES ALLOWED IN THE MEAR WHERE THIS FROUGHT IS BRING USED UNLESS BOULPPED WITH THE SAME RESPIRATOR FROTECTION RECOMMENDED FOR THE PAINTERS.

When manding, virebrushing, abrading, burning or velding the dried film, wear a particulate respirator approved by NIOSH/MSHA for protection against non-volatile materials in Section II.

PROTECTIVE GLOVES

Wear gloven which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

EYE PROTECTION

Vear radety spectacles with unperforated sideshields. OTHER PROTECTIVE EQUIPMENT Use barrier cream on exposed skin.

Section IX -- PRECAUTIONS

DOL STORAGE CATEGORY -- 18

F63TX POLANE* T Polyurethane Enamel, Non-Lead Colors Section IV -- FIRE AND EXPLOSION HAZARD DATA LEL

FLAMMABILITY CLASSIFICATION FLASH POINT 23-56 F PMCC RED LAREL -- Flammable, Flash below 100 F EXTINGUISHING MEDIA

RED LABEL -- Flammable, Flash below 100 F
EXTINGUISHING HEDIA
Carbon Dioxide, Dry Chemical, Foam
UNUSUAL FIRE AND EXPLOSION HAZARDS
Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open
flame. Closed containers may explode when exposed to extreme heat. Application to hot
surfaces requires special precautions. During emergency conditions overexposure to
decomposition products may cause a health hazard. Symptoms may not be immediately apparent.
Obtain medical attention.
SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used.
Vater spray may be ineffective. If water is used, fog nozzles are preferable. Water may be
ward to cool closed containers to prevent pressure build-up and possible autoignition or
explosion when exposed to extreme heat.

Section V -- HEALTH HAZARD DATA

Exposure may be by INHALATION and/or SKIN or ETE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal

Exposure may be by INBHARTON and/or SKIN or ETE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Harards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. Hay cause nervous system depression. Extreme overexposure may result in unconsciousness and posmibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, disziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic respiratory and/or skin reaction in susceptible persons or sensitization. This effect may be delayed several hours after exposure.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If any breathing problems occur during use, LEAVE THE AREA and get fresh air. If problems remain or occur later, INMEDIATELY get medical attention. If on SKIN: Wash affected area shoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

If in ETES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If SWALLOWED: Get medical attention.

CHRONIC Health Hazards

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Methyl Ethyl Ketone may increase the nervous system effects of other solvents.

Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood forming, cardio-vascular, and reproductive systems.

Persons memsitive to inocymantes will experience increased allergic reaction on repeated exposure.

Pats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, much

Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such

Reports to triangue specified in the verblace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI -- REACTIVITY DATA

STABILITY -- Stable

Continued on page 3

POLANE* T Polyurethane Enamel, Non-Lead Colors F63TX

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are FLANDABLE. Keep away from heat, sparks, and open flame.

During use and until all vapors are gone: Keep area ventilated - Do not smoke
Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and
appliances, and any other sources of ignition.

Consult NFFA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete
and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

This product must be mixed with other components before use. Before opening the packages,
READ AND FOLLOW WARNING LABRES ON ALL COMPONENTS.

Latentional misuse by deliberately concentrating and inhaling the contents can be harmful
or fatal.

HEALTH 3 3 FLAMMABILITY REACTIVITY 0

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no varranties, express or implied, and assume no liability in connection with any use of this information.

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HANUFACTURER'S NAME
THE SHERMIN-WILLIAMS COMPANY
101 Prospect Avenue w.m.
Cleveland, Obio 44115
DATE OF PREPARATION EMERGENCY TELEPHONE NO. (216) 566-2917

15-Apr-90

INFORMATION TELEPHONE NO. (216) 566-2902

Section I -- PRODUCT IDENTIFICATION

POLANE* T Polyurethane Enamel, Lead Colors
PRODUCT NUMBERS AND COLORS

This MSDS covers products with MSDS code F63TL, including:

F63 E 4 Decibel Orange F63 E Y6 Moly Orange

F63 Y Y5 Chrome Yellow

--- also Lead-Containing POLANE* T Custom Colors ---

PRODUCT CLASS

Base component for 2-package Polyurethane Coating

OS In.	Section II HAZAR	DOUS II		DIENT	S CORA-PEL	werns	
		107		W. STON-LEV	CORR. PEL	. warns	V.F.
108-88-3	x Toluene.	5-10		100	100	PPM	22.0
			STEL	150	150	PPH	
1330-20-7	x Xylene.	(5		100	100	PPH	5.9
			STEE	. 150	150	PPM	
78-93-3	Methyl Ethyl Ketone.	5-25		200	200	PPH	70.0
			STEL		300	PPH	
108-94-1	Cyclobexanone	10-30		25		Skin) PPm	2.0
123-86-4	n-Butyl Acetate.	5-35		150	150	PPH	10.0
			STEL		200	PPH	
14807-96-6	Talc	5-10		2	2	Mg/H3 ag	Resp. Dunt
7727-43-7	Barium Sulfate.	0-5		10	10(5)	Mg/H3 as	
13463-67-7	Titanium Dioxide.	0-30		10	10(5)	Mg/H3 as	
1333-86-4	Carbon Black. [im Blacks only]	<5		3.5	3.5	Mg/H3 as	Dust
1344-37-2	Lead Chromate.	<35		0.05	0.05	Mg/H3	
12656-85-8	Molybdate Orange. 5			0.05	0.05	Hg/H3	
				*** Tota	al Dust	(Respirable	Fraction)
	Lead (as Pb)	<20		0.15	0.05	Hg/H3	
	Chronium VI (as Cr)	<5		0.05		Mg/H/3	

« These ingredients are subject to the reporting requirements of Section (Title III Superfund Amendments and Reauthorization Act) and 40 CBF Part

Section III -- PHYSICAL DATA

	VAPOR DENSITY		Heavier than Air
	MELTING POINT		N.A.
61-74 %	SOLUBILITY IN WATER		N.A.
	8.4-10.8 lb./gal. 1.0-1.3 174-320 F 61-74 %	1.0-1.3 VAPOR DENSITY 174-320 F MELTING POINT	1.0-1.3 VAPOR DENSITY 174-320 F MELTING POINT

Continued on page 3

Continued on page &

F63TL POLANE* T Folyurethane Enamel, Lead Colors

CHRONIC Health Hazards

CHRONIC Health Hazards

Chronic overexposure to Lasd may result in damage to the blood-forming, nervous, urinary, and reproductive systems (including embryotomic effects). Symptoms include abdominal disconfort or pain, constipation, loss of appetite, metallic taste, namesa, insomnia, nervous irritability, weakness, muscle and joint pains, headache and dizzinezs.

Chromates are listed by IABC and DTF. Although studies have associated exposure to Chromates are listed by the constitution of the constitut

exposure.

Easts exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such xposure levels are not attainable in the workplace. Reports have associate repeated and prolonged overexposure to solvents with permanent brain and nervous evatem demands.

and nervous system damage.

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Section VI -- REACTIVITY DATA

STABILITY -- Stable INCOMPATIBILITY

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Momoxide, Oxides of Metals in Section II HAZARDOUS POLYMERIZATION -- Will Not Occur

Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.
WASTE DISPOSAL METHOD
Vaste from this product may be basardows as defined under the Resource Conservation and
Recovery Act (RCRA) 40 CFE 261. Waste must be tested for ignitability and extractability
determine the applicable RFA hazardows waste numbers.
Incimerate in approved facility. Do not incimerate closed container. Dispose of in
accordance with Pederal, State, and Local regulations regarding pollution.

Section VIII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE
NO PERSON SHOULD USE THIS PRODUCT, OR BE IN THE ABEA WHERE IT IS BEING USED, IP THEY HAVE
CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS OR IF THEY EVER HAD A REACTION TO ISOCYANATES.
Before initial use, consult OSHA's Standard for Occupational Exposure to Lead (29 CFR 1910.1025).

(29 CFR 1910.1025).

Use only with adequate ventilation. Avoid breathing wapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section II) which may be present at hazardeous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for muisance dusts are ADGHR TLV 10 ag./m3 (total dust), OSHA FEL 15 ag./m3 (total dust), 5 mg./m3 (respirable fraction).

(respirable fraction).
VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107.

F63TL POLANE* T Polyurethane Enamel, Lead Colors

Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLASH POINT 23-56 F PMCC RED LABEL -- Flammable, Flash below 100 F EXTINGUISHING MEDIA LEL 1.0 UEL

Carbon Dioxide, Dry Chemical, Foam UNUSUAL FIRE AND EXPLOSION HAZARDS

Neep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTIMG PROCEDURES
Full artestive requirement and the second process of the second process.

Full protective equipment including self-contained breathing apparatus should be used.
Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignitien or explosion when exposed to extreme heat.

Section V -- BEALTH HAZARD DATA

HOUTES OF EXPOSURE
Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use.
To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment. ACUTE Health Hazards

ACUTE Health Hazards
EFFECTS OF OVEREXPOSURE
Irritation of syes, skin and respiratory system. May cause nervous system depression.
Extrese overexposure may regult in unconsciousness and possibly death.
Acute occupational exposure to Lead is uncommon, but results in effects and symptoms simila
to chronic overexposure described below.
SIGNS AND SYMPTOMS OF OVEREXPOSURE

Hesdache, dizziness, nausea, and loss of coordination are indications of excessive ex to vapors or spray mists.

Refiness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE nausea, and loss of coordination are indications of excessive exposure

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
Hay cause allergic respiratory and/or skin reaction in susceptible persons or sensitization
This effect may be delayed several hours after exposure.

EMERGENCY AND FIRST ALD PROCEDURES

If INHALED: If any breathing problems occur during use, LEAVE THE AREA and get fresh air.

If problems remain or occur later, IMMEDIATELY get medical attention.

If on SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

If in EIES: Flush oyes with large amounts of water for 15 minutes. Get medical attention.

Continued on page 3

F63TL FOLANE* T Polyurethane Enamel, Lead Colors

page 2

RESPIRATORY PROTECTION

MARSHIMATORY PROTECTION

Where overspray is present, a positive pressure air supplied respirator (TC19C MIOSH/MSHA approved) should be worn. If unavailable, a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II may be effective. Follow respirator samufacturer's directions for use. Near the respirator for the whole time of spraying and until all vapors and sists are gone. NO PESSONS SHOULD BE ALLOWED IN THE ARKA WHERE THIS PRODUCT IS BEING USED UNLESS EQUIPPED WITH THE SAME RESPIRATOR.

PROTECTION BECOMMENDED FOR THE PAINTERS.

When saming with the provider is developed by the painters. THE AREA WHERE THIS PRODUCT IS BEING USED URLESS EQUIPPED WITH THE SAME RESPIRATOR OTECTION BECOMMENDED FOR THE PAINTERS.

When sanding, wirebrushing, abrading, burning or welding the dried film, wear a particulat spirator approved by NIOSE/HSBA for protection against non-volatile materials in Section II

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II. EYE PROTECTION

Vear safety spectacles with unperforated sideshields.
OTHER PROTECTIVE EQUIPMENT

Use barrier cream on exposed skin

Section IX -- PRECAUTIONS

DOL STORAGE CATEGORY -- IN
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Contents are FLAMMANIE. Keep away from heat, sparks, and open flame.
During use and until all vapors are gone: Keep area ventilated - Do not stoke Extingwish all flames, pilot lights, and heaters - Tern off stoves, electric tools and
appliances, and any other sources of ignition.
Comsult NFFA Code. Use approved Bonding and Grounding procedures.
Keep container closed whem not in use. Transfer only to approved containers with complete
and appropriate labeling. Do not take internally. Keep out of the reach of children.
OTHER PRECAUTIONS
CONTAINS LEAD. Do not apply on toys and other children's articles, furniture, or any
interior surface of a dwelling or facility which may be occupied or used by children. Do not
apply on any exterior surface of dwelling units, such as window stils, porches, stairs, or
railings to which children may be commonly exposed.
This product ment be mixed with other components before use. Before opening the packages,
READ AND FOLLOW VARNING LABELS ON ALL COMPONENTS.
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful

HEALTH	3*
FLAMMABILITY	3
REACTIVITY	0

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially after the composition and hazards of the product. Since condition uses the control of use are outside our control, we make no varranties, express or implied, and assume no liability in connection with any use of this information.

EMERGENCY TELEPHONE NO. (216) 566-2917

Cleveland, Ohio 44115 DATE OF PREPARATION

INFORMATION TELEPHONE NO. (216) 566-2902

Section I -- PRODUCT IDENTIFICATION

25-Jul-88

* - Trade Mark

Quick Dry Enamel, Non-Lead Colors

PRODUCT NUMBERS AND COLORS

This MSDS covers products with MSDS code F77XX, including:

F77	A	3	Machine Tool Gray	P77	S	12	Aluminum
277	В	1	Gloss Black			100	
F77	В	2	Flat Black			8	Gloss White
F77	E	11	LF International Orange			100	Blending White
F77	G	13	LF. Equipment Green			101	Pastel Base.
F77	L	6	Motor Blue			102	Midtone Base.
F77	L	19	Blue			103	Deeptone Base.
F77	N	20	Container Brown			122	Low Gloss White.
F77	R	14	LF. Machinery Red	F77			LF Safety Yellow
F77	R	18	Burgundy	F77			LF. Regal Yellow
F77	R	22	WMI Burgundy.	F77			Caterpillar Yellow

--- also Lead Hazard Free F77 Custom Colors ---

PRODUCT CLASS

Amino-Alkyd Enamel

CAS No.	INGREDIENT	• by WEIGHT	ACGIH-TLV	OSHA-PEL	UNITS	V.P.
	V. M. & P. Naphtha.	10-50	300		PPM	10.0
4742-47-8	Mineral Spirits.	0-5	100	500	PPM	12.0
108-88-3	Toluene.	0-35	100	200		2.0
100-41-4	Ethylbenzene	<5	100	100	PPM	22.0
1330-20-7	Xylene.	5-25	100		PPH	7.1
4742-95-6	Light Aromatic Naphtha	5-10		100	PPH	5.9
78-93-3	Methyl Ethyl Ketone.	0-5	100		PPM	3.8
108-65-6	1-Methoxy-2-Propanol Acetate		200	200	PPM	70.0
807-96-6	Talc	0-5	Not Esta	blished		1.8
463-67-7	Titanium Dioxide.	0-20	2		Mg/H3	as Dust
333-86-4		0-25	Not Esta	blished		as Dust
333-00-4	Carbon Black. [in F77B1 only]	<5	3.50		Mg/H3	as Dust

Section III -- PHYSICAL DATA

EVAPORATION RATE Slover BOILING RANGE 174-415 F	than Ether VAPOR VOLATILE VOLUME 69-72 %	DENSITY Heavier than Air WT/GAL 7.2-9.1 lb.
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F77XX

Quick Dry Enamel, Non-Lead Colors

Section IV -- FIRE AND EXPLOSION HAZARD DATA ______

FLAMMABILITY CLASSIFICATION FLASH POINT 35 F PMCC LEL 0.7

RED LABEL -- Flammable, Flash below 100 F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V -- HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

If in EYES: Plush eyes with large amounts of water for 15 minutes. Get medical attention. CHRONIC Health Hazards

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Methyl Ethyl Ketone may increase the nervous system effects of other solvents.

Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood forming, cardio-vascular, and reproductive systems.

Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI -- REACTIVITY DATA ______

STABILITY -- Stable INCOMPATIBILITY

Metallics contain Aluminum. Contamination with Water, Acids, or Alkalis can cause evolution of hydrogen, which may result in dangerously increased pressures in closed containers. HAZARDOUS DECOMPOSITION PRODUCTS

Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent. WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact vith skin and eyes. Wash hands after using.

This coating may contain materials classified as nuisance particulates, such as titanium dioxide or calcium carbonate (see ACGIH TLV List, Preface and Appendix D), which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m3 (total dust), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction). VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive. PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX -- PRECAUTIONS

DOL STORAGE CATEGORY -- 1B

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.

During use and until all vapors are gone: Keep area ventilated - Do not smoke -Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children. OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

MATERIAL SAFETY DATA SHEET UNUSUAL FIRE AND EXPLOSION HAZARDS UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Itolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTIMG PROCEDURES

Full protective explanate (achieve achieve and account of the procedure actions). 88 HABUFACTURER'S NAME EMERGENCY TELEPHONE NO. (216) 566-2917 THE SHERWIN-WILLIAMS COMPANY 101 Prospect Avenue N.W. Cleveland, Ohio 44115 DATE OF PREPARATION INFORMATION TELEPHONE NO. (216) 566-2902 SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used.
Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible sutoignition or explosion when exposed to extreme heat.

Section V -- HEALTH HAZARD DATA 25-Jul-88 Section I -- PRODUCT IDENTIFICATION PRODUCT NAME

* Trade Mark
Fast Dry Acrylic Enamel, Non-Lead Colors
PRODUCT NUMBERS AND COLORS
This MSDS covers products with MSDS code F78XX, including: ROUTES OF EXPOSURE

Exposure may be by INMALATION and/or SKIN or EYE contact, depending on conditions of use.
To minimize exposure, follow recommendations for proper use, ventilation, and personal F78 W 28 F78 W 100 F78 W 101 F78 W 102 F78 W 103 F78 Y 29 F78 Y 30 F78 Y 31 Gloss White Blending White Fastel Base. Midtone Base Deeptone Base Safety Yellow Regal Yellow Caterpillar Yellow F78 A 23 Machine Tool Gray F78 B 21 Gloss Black F78 E 24 International Oran F78 G 25 Equipment Green F78 L 26 Motor Blue F78 R 27 Machinety Red F78 R 30 Brite Red. Machine Tool Gray Gloss Black International Orange Equipment Green Motor Blue protective equipment. ACUTE Health Hazards EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression.

Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Beadache, dizziness, nausea, and loss of coordination are indications of excessive exposure 778 R 27 Machinery Red F78 R 30 Brite Red. F78 S 32 Silver F78 T 104 Clear Reduces and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

MEMBGENCY AND FIRST AID PROCEDURES

If INBALED: If effected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

If in EVES: Plush eyes with large anounts of water for 15 minutes. Get medical attention.

CHROWIC Health Hazards

No ingredient in this product is an IARC. WIP or OSHA listed carcinogen.

Frolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood forming, cardio-vascular, and reproductive systems.

Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung camcar, however, such exposure levels are not attainable in the vortplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. -- also Lead Hazard Free Custom Colors of the Above ---PRODUCT CLASS Acrylic Enamel Section II -- HAZARDOUS INGREDIENTS v.p. 64742-48-9 V. M. & P. Maphtha. 64742-47-8 Mineral Spirits. 108-88-3 Toluene. 0-10 12.0 PPH PPH PPH PPH PPH 100 500 2.0 5-15 100 200 22.0 100-41-4 Ethylbenrene 1330-20-7 Xylene. 108-65-6 1-Methoxy-2-Propanol Acetate 13463-67-7 Titanium Dioxide. 25 100 100 30-45 0-5 0-20 100 Not Established Not Established as Dust Section VI -- REACTIVITY DATA Section III -- PHYSICAL DATA STABILITY -- Stable INCOMPATIBILITY EVAPORATION RATE -- Slover than Ether VAL ILLING RANGE VOLATILE VOLUME VAPOR DENSITY -- Beavier than Air INCOMPATIBILITY

Metallies centain Aluminum. Contemination with Water, Acids, or Alkalis can cause evolution of hydrogen, which may result in dangerously increased pressures in closed containers.
HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Discride, Carbon Monoxide

HAZARDOUS POLYMERIZATION -- Will Not Occur BOILING RANG 222-395 F WT/GAL 7.8-9.4 1b. 60-65 % Section IV -- FIRE AND EXPLOSION HAMAND DATA FLAMMABILITY CLASSIFICATION FLAS RED LABEL -- Flammable, Flash below 100 F EXTINGUISHING MEDIA Carbon Dioxide, Dry Chemical, Foam FLASH POINT 45 F PMCC LEL. 0.7 Section VII -- SPILL OR LEAK PROCEDURES STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent. Continued on page 2

F78XX

Fast Dry Acrylic Enamel, Non-Lead Colors

F78XX

Fast Dry Acrylic Enamel, Non-Lead Colors page 3 #78XX WASTE DISPUSAL RETHOD

Vaste from this product may be harardous as defined under the Resource Conservation and
Recovery Act (RCRA) 40 CFR 261. Vaste must be tested for ignitability to determine the
applicable EFA harardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in
accordance with Federal, State, and Local regulations regarding pollution. MASTE DISPOSAL METHOD Section VIII -- PROTECTION IMPORMATION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact
with skin and eyes. Wash hands after using.
This coating may contain materials classified as nuisance particulates, such as titanium
dioxide or calcium carbonate (see ACCIB TLV List, Freface and Appendix D), which may be
present at hazardous levels only during sanding or abrading of the dried file. If me specific
dusts are listed in Section II, the applicable limits for nuisance dusts are ACCIB TLV
IO mg./m3 (total dust), OSBA FEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).
Local arbanat versions.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSRA Standards 1910.94, 1910.107, 1910.108.

RESFIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSE/MSHA for protection against materials in Section II.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSE/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in

Vear gloves which are recommended by glove supplier for protection against materials in Section II. EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX -- PRECAUTIONS

DOL STORAGE CATEGORY -- 1B

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.

During use and until all vapors are goos: Keep area ventilated - Do not smoke
Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and
appliances, and any other sources of ignition.

Consult NFFA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete
and appropriate labeling. Do not take internally. Keep out of the reach of children.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

3 FI AMMARII ITY 0 REACTIVITY

HEALTH

2

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CPR 1910.1200(g)(4), for similar complex mixtures.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no varranties, express or implied, and assume no liability in connection with any use of this information.

D64 T 4

Multi-Purpose Flatting Agent

MANUFACTURER'S NAME THE SHERWIN-WILLIAMS COMPANY 101 Prospect Avenue N.W. Cleveland, Ohio 44115 DATE OF PREPARATION EMERGENCY TELEPHONE NO. (216) 566-2917

INFORMATION TELEPHONE NO. (216) 566-2902

PRODUCT IDENTIFICATION

PRODUCT NUMBER . - Trade Mark

D64 T 4 ODUCT NAME

Multi-Purpose Platting Agent

PRODUCT CLASS Alkyd Paint

25-Jul-88

Section II -- HAZARDOUS INGREDIENTS

& by WEIGHT 64742-89-8 Lt. Aliphatic Hydrocarbon Solvent. 500 PPH 53.0 64742-48-9 V. M. 5 P. Naphtha. 64742-47-8 Mineral Spirits. 108-88-3 Toluene. 12.0 22.0 <5 100 200 PPH 78-83-1 2-Methyl-1-propanol PPH 8.7 63 50 100 110-19-0 Isobutyl Acetate. 14464-46-1 Cristobalite 14807-96-6 Talc <5 150 Mg/H3 as Dust 0.05 25 2 Mg/H3 as Dust *** Refer to OSHA Standard (29 CFR 1910.1000, Table 2-3)

------Section III -- PHYSICAL DATA

VAPOR DENSITY -- Heavier than Air WT/GAL VOC (Theoretical) 9.32 lb, 3.78 lb. 452 gm. EVAPORATION RATE -- Slower than Ether ILING RANGE VOLATILE VOLUME BOILING RANGE 200-395 F 59.5 %

Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLASH POINT 35 F PMCC LEL 0.9

FLANHABILITY CLASSIFICATION FLASH POINT 35 F PMCC LEL 0.9

RED LABEL -- Flammable, Flash below 100 F

EXTINGUISHING MEDIA.
Carbon Diskide, Dry Chemical, Foom
UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open
flame. Closed containers may explode when exposed to extreme heat. Application to hot
surfaces requires special precautions. During emergency conditions overexposure to
decomposition products may cause a health hazard. Symptoms may not be immediately apparent.
Obtain medical attentiom.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autolguition or explosion when exposed to extreme heat.

Continued on page 2

Section V -- HEALTH HAZARD DATA

ROUTES OF EXPOSURE

ROUTES OF EXPOSURE

Exposure may be by INMALATION and/or SKIN or ETE contact, depending on conditions of use.

To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, akin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. SIGNS ARD SYMPTOMS OF OVEREXPOSURE

SIGNS AND SYMPTOMS OF OVEREXPOSURE
Readache, dieziness, nausea, and loss of coordination are indications of excessive exposure
to vapors or spray mists.
Reduces and itching or burning sensation may indicate eye or excessive skin exposure.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Rone generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INMALD: If affected, remove from exposure. Festore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

Benove contaminated clothing and launder before re-use.

If in EIES: Flush eyes with large amounts of vater for 15 minutes. Get medical attention.

CHRONIC Health Hazards

CHRONIC Health Hazards
Crystalline Silica (Owartz, Cristobalite) is listed by IARC. Long term exposure to high
levels of silica dust, which can occur only when sanding or abrading the dry film, may cause
lung damage (silicosis) and possibly cancer.
Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to
the liver, urinary, blood forming, and cardio-vancular systems.
Reports have associated repeated and prolonged overexposure to solvents with permanent brain

and nervous system damage.

Section VI -- REACTIVITY DATA

STABILITY -- Stable
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Doxide, Carbon Monexide
HAZARDOUS POLYMERIZATION -- Will Not Occur

Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Remove all sources of ignition. Ventilate and remove with inert absorbent. WASTE DISPOSAL METHOD

WASTE DISPOSAL METHOD

Unite from this product may be hazardous as defined under the Resource Conservation and
Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the
applicable EFA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in
accordance with Federal, State, and Local regulations regarding pollution.

Section VIII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventitation. Avoid breathing vapor and spray mist. Avoid contact
with skin and eyes. Wash hands after using.
This coating may contain materials classified as nuisance particulates, such as titanium
dioxide or calcium carbonate (see ACGIH TLV List, Preface and Appendix D), which may be
present at hazardous levels only during sanding or abrading of the dried film. If no specific
dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV
10 mg./m3 (total dust), OSHA FEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).

D64 T 4 Multi-Purpose Flatting Agent page 3 VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94,

1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II. EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX -- PRECAUTIONS

DOL STORAGE CATEGORY -- 1B
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Contents are FLAMMABLE. Keep sway from heat, sparks, and open flame.
During use and until all vapors are gone: Keep area ventilated - Do not smoke Extinguish all flames, pilot lights, and heaters - Turn off stowes, electric tools and
appliances, and any other sources of ignition.
Consult NFPA Code. Use approved Bonding and Grounding procedures.
Keep container closed when not in use. Transfer only to approved containers with complete
and appropriate labeling. Do not take internally. Keep out of the reach of children.
Intentional signs by deliberately containers.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful

HEALTH	2*
FLAMMABILITY	3
REACTIVITY	0