

COMPANY IDENTITY: T C I Products Company SDS DATE: 02/18/2014  
 PRODUCT IDENTITY: 4307 SHADES OF GRAY 4:1 INTERMIX SEAL - DARK GRAY ORIGINAL: 02/18/2014  
 SDS NUMBER: 4307

**SAFETY DATA SHEET**

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System.  
 THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)  
 IMPORTANT: Read this SDS before handling & disposing of this product.  
 Pass this information on to employees, customers, & users of this product.

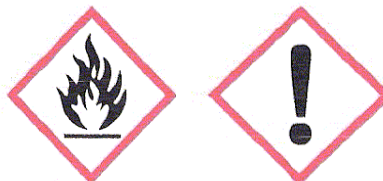
**SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**

PRODUCT IDENTITY: 4307 SHADES OF GRAY 4:1 INTERMIX SEAL - DARK GRAY  
 PRODUCT USES: Paint

COMPANY IDENTITY: T C I Products Company  
 COMPANY ADDRESS: 420 E Desoto  
 COMPANY CITY: St. Louis, MO 63147  
 COMPANY PHONE: 1-314-231-3075  
 EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)  
 CANUTEC: 1-613-996-6666 (CANADA)

**SECTION 2. HAZARDS IDENTIFICATION**

**DANGER!!**



**EXPOSURE PREVENTION: STRICT HYGIENE!  
 AVOID EXPOSURE OF (PREGNANT) WOMEN!**

**2.1 HAZARD STATEMENTS: (CAT = Hazard Category)**

- H100s = General, H200s = Physical, H300s = Health, H400s = Environmental
- H225 Highly flammable liquid and vapor. (CAT:2)
- H304 May be fatal if swallowed and enters airways. (CAT:1)
- H315 Causes skin irritation. (CAT:2)
- H320 Causes eye irritation. (CAT:2)
- H332 Harmful if inhaled. (CAT:4)
- H335 May cause respiratory irritation. (CAT:3)
- H336 May cause drowsiness or dizziness. (CAT:3)
- H371 May cause damage to organs. (CAT:2)
- H402 Harmful to aquatic life. (CAT:3)

**2.2 PRECAUTIONARY STATEMENTS:**

- P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P264 Wash with soap & water thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+352 IF ON SKIN: Wash with soap & water.
- P304+340 IF INHALED: Remove victim to fresh air & keep at rest in a position comfortable for breathing.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do - Continue rinsing.
- P309+311 If exposed or you feel unwell: Call a POISON CENTER or doctor/physician.
- P332+313 If skin irritation occurs: Get medical advice/attention.
- P337+313 If eye irritation persists, get medical advice/attention.
- P361 Remove/Take off immediately all contaminated clothing.
- P363 Wash contaminated clothing before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container to an approved waste disposal plant.

**SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.**

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	EINECS#	WT %
Xylenes	1330-20-7	215-535-7	15-25
Talc	14807-96-6	-	10-20
Kaolin	1332-58-7	-	10-20
Acetone	67-64-1	200-662-2	5-15
Titanium Dioxide	13463-67-7	-	5-15
Acrylic Resin	Confidential	-	0-10
Methyl n-Amyl Ketone	110-43-0	203-767-1	0-10
Calcium Carbonate	1317-65-3	-	0- 5
Toluene	108-88-3	203-625-9	0- 5
Ethylbenzene	100-41-4	202-849-4	0- 5

TRACE COMPONENTS: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

### SECTION 4. FIRST AID MEASURES

#### 4.1 EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

#### 4.2 SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing.  
 Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

#### 4.3 INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).

#### 4.4 SWALLOWING:

Rinse mouth. Give a slurry of activated charcoal in water to drink.  
 Do NOT induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY. Rest.  
 Do NOT give liquids to an unconscious or convulsing person.

### SECTION 5. FIRE FIGHTING MEASURES

#### 5.1 FIRE & EXPLOSION PREVENTIVE MEASURES

NO open flames, NO sparks, & NO smoking. Use a closed system, ventilation, explosion-proof electrical equipment, lighting.  
 Do NOT use compressed air for filling, discharging, or handling.

#### 5.2 EXTINGUISHING MEDIA

Use dry powder, AFFF, foam, water spray, carbon dioxide.

#### 5.3 SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.  
 Do not enter confined fire-space without full bunker gear.  
 (Helmet with face shield, bunker coats, gloves & rubber boots).

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### SECTION 5. FIRE FIGHTING MEASURES (CONTINUED)

#### 5.4 UNUSUAL EXPLOSION AND FIRE PROCEDURES

EXTREMELY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires special precautions.

Empty container very hazardous! Continue all label precautions!

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 PERSONAL PROTECTIVE MEASURES:

EVACUATE DANGER AREA! Consult an expert! Vapors may ignite explosively & spread long distances.

Prevent vapor buildup. Keep unprotected personnel away. Ventilate spill area.

Remove all ignition sources. Use self-contained breathing apparatus.

#### 6.2 ENVIRONMENTAL PRECAUTIONS:

Do NOT let this chemical enter the environment.

Keep from entering storm sewers and ditches which lead to waterways.

#### 6.3 CONTAINMENT AND CLEAN-UP MEASURES:

Stop spill at source. Dike and contain.

Collect leaking liquid in sealable containers.

Absorb remaining liquid in sand or inert absorbent.

Remove to safe place.

### SECTION 7. HANDLING AND STORAGE

#### 7.1 HANDLING

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

Use only with adequate ventilation. Avoid breathing of vapor or spray mist.

Avoid contact with skin & eyes. Wear OSHA Standard goggles or face shield. Consult Safety

Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material.

Wash clothing before reuse.

Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw,

drill, braze, or weld. Empty container very hazardous! Continue all label precautions!

#### 7.2 STORAGE

Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out

pilot lights & turn off heaters, electric equipment & other ignition sources during use

& until all vapors are gone. Keep in fireproof surroundings. Keep separated from strong

oxidants, strong acids. Do not store above 49 C/120 F.

Keep container tightly closed & upright when not in use to prevent leakage.

Do not allow to evaporate to near dryness. Addition of water or proper reducing agents

will lessen peroxide formation.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIAL	CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
Xylenes	1330-20-7	215-535-7	100 ppm	100 ppm A4
Talc	14807-96-6	-	None Known	None Known
Kaolin	1332-58-7	-	None Known	None Known
Acetone	67-64-1	200-662-2	1000 ppm	500 ppm A4
Titanium Dioxide	13463-67-7	-	None Known	None Known
Acrylic Resin	Confidential	-	None Known	None Known
Methyl n-Amyl Ketone	110-43-0	203-767-1	100 ppm	50 ppm
Calcium Carbonate	1317-65-3	-	None Known	None Known
Toluene	108-88-3	203-625-9	200 ppm	50 ppm A4
Ethylbenzene	100-41-4	202-849-4	100 ppm	100 ppm A3

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### SECTION 7. HANDLING AND STORAGE

MATERIAL	CAS#	EINECS#	CEILING	STEL(OSHA/ACGIH)	HAP
Xylenes	1330-20-7	215-535-7	None Known	150 ppm	Yes
Toluene	108-88-3	203-625-9	None Known	None Known	Yes
Ethylbenzene	100-41-4	202-849-4	None Known	125 ppm	Yes
Acetone	67-64-1	200-662-2	None Known	750 ppm	No

In addition, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%):  
 Benzene, Cumene

#### 8.1 RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

#### 8.2 VENTILATION

LOCAL EXHAUST: Necessary MECHANICAL (GENERAL): Acceptable  
 SPECIAL: None OTHER: None  
 Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

#### 8.3 PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

#### 8.4 WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers.  
 Wash at end of each work shift & before eating, smoking or using the toilet.  
 Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

### SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Liquid, Opaque, DARK GRAY  
 ODOR: Ketone  
 ODOR THRESHOLD: Not Available  
 pH (Neutrality): Not Available  
 MELTING POINT/FREEZING POINT: Not Available  
 BOILING RANGE (IBP,50%,Dry Point): Not Available  
 FLASH POINT (TEST METHOD): -16 C / 2 F (TCC) (Lowest Component)  
 EVAPORATION RATE (n-Butyl Acetate=1): Not Applicable  
 FLAMMABILITY CLASSIFICATION: Class I B  
 LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.4  
 UPPER FLAMMABLE LIMIT IN AIR (% by vol): Not Available  
 VAPOR PRESSURE (mm of Hg)@20 C 47.0  
 VAPOR DENSITY (air=1): 3.2  
 GRAVITY @ 68/68F / 20/20C:  
   DENSITY: 1.847  
   SPECIFIC GRAVITY (Water=1): 1.850  
   POUNDS/GALLON: 15.408  
 WATER SOLUBILITY: Moderate  
 PARTITION COEFFICIENT (n-Octane/Water): Not Available  
 AUTO IGNITION TEMPERATURE: 510C / 950F  
 DECOMPOSITION TEMPERATURE: Not Available  
 VISCOSITY @ 20 C (ASTM D445): Not Available  
 \* Using CARB (California Air Resources Board Rules).

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## SECTION 10. STABILITY & REACTIVITY

### 10.1 STABILITY

Stable under normal conditions.

### 10.2 CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

### 10.3 MATERIALS TO AVOID

Reacts violently with strong oxidants, strong acids, causing fire & explosion hazard. Attacks many plastics, coatings.

### 10.4 HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide, Silicon Dioxide, Aluminum Oxide, Titanium Oxide, Calcium Oxide from burning.

### 10.5 HAZARDOUS POLYMERIZATION

Will not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 ACUTE HAZARDS

#### 11.11 EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis. Absorption thru skin increases exposure. Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling.

#### 11.12 INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Acute overexposure can cause harm to affected organs by routes of entry. Use of alcoholic beverages enhances the harmful effect.

#### 11.13 SWALLOWING:

Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea. The symptoms of chemical pneumonitis may not show up for a few days.

### 11.2 SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

#### CONDITIONS AGGRAVATED

Chronic overexposure can cause harm to affected organs by routes of entry. Persons with severe skin, liver or kidney problems should avoid use.

### 11.3 CHRONIC HAZARDS

#### 11.31 CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

Pregnant women should avoid use. May cause birth defects. Potential Cancer Hazard based on tests with laboratory animals using Ethylbenzene. Overexposure may create cancer risk. Leukemia been reported in humans from Benzene. This product contains less than 37 ppm of Benzene. Not considered hazardous in such low concentrations. Absorption thru skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus. Depending on degree of exposure, periodic medical examination is indicated. Some persons may be more sensitive to the substance's effect on blood cells.

11.32 IRRITANCY OF PRODUCT: This product is irritating to contaminated tissue.

11.33 SENSITIZATION TO THE PRODUCT: No component of this product is known as a sensitizer.

11.34 MUTAGENICITY: No known reports of mutagenic effects in humans.

11.35 EMBRYOTOXICITY: No known reports of embryotoxic effects in humans.

11.36 TERATOGENICITY: No known reports of teratogenic effects in humans.

11.37 REPRODUCTIVE TOXICITY: No known reports of reproductive effects in humans.

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**SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)**

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (such as: within the eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

**11.4 MAMMALIAN TOXICITY INFORMATION**

MATERIAL	CAS#	EINECS#	LOWEST KNOWN LETHAL DOSE DATA
Toluene	108-88-3	-	LOWEST KNOWN LD50 (ORAL) 3000.0 mg/kg(Rats)
Xylene	1330-20-7	-	LOWEST KNOWN LC50 (VAPORS) 5000 ppm (Mice)

**SECTION 12. ECOLOGICAL INFORMATION**

12.1 ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

12.2 EFFECT OF MATERIAL ON PLANTS AND ANIMALS:

This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

12.3 EFFECT OF MATERIAL ON AQUATIC LIFE:

The most sensitive known aquatic group to any component of this product is: Mosquito Fish 13000 ppm or mg/L (48 hour exposure). The substance is toxic to aquatic organisms.

12.4 MOBILITY IN SOIL

Mobility of this material has not been determined.

12.5 DEGRADABILITY

This product is partially biodegradable.

12.6 ACCUMULATION

Bioaccumulation of this product has not been determined.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal.

**ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES. EPA CHARACTERISTIC: D001**

**SECTION 14. TRANSPORT INFORMATION**

IF > 2272 LB / 1032 KG OF THIS PRODUCT IS IN 1 CONTAINER, IT EXCEEDS THE RQ OF XYLENES. "RQ" MUST BE PUT BEFORE THE DOT SHIPPING NAME.

MARINE POLLUTANT: No  
 DOT/TDG SHIP NAME: UN1263, Paint Related Material  
 (Contains: Talc, Xylene), 3, PG-II  
 DRUM LABEL: (FLAMMABLE LIQUID)  
 IATA / ICAO: UN1263, Paint Related Material  
 (Contains: Talc, Xylene), 3, PG-II  
 IMO / IMDG: UN1263, Paint Related Material  
 (Contains: Talc, Xylene), 3, PG-II  
 EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128



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### SECTION 15. REGULATORY INFORMATION

#### 15.1 EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health, Fire

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <\*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS#	EINECS#	WT%	(REG. SECTION)	RQ(LBS)
*Xylenes	1330-20-7	215-535-7	10-20	(311,312,313,RCRA)	100
*Toluene	108-88-3	203-625-9	0-10	(311,312,313,RCRA)	1000
*Ethylbenzene	100-41-4	202-849-4	0- 5	(311,312,313,RCRA)	1000
Acetone	67-64-1	200-662-2	0- 5	(311,312)	5000

### SECTION 15. REGULATORY INFORMATION (CONTINUED)

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

#### 15.2 STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):

This product contains the following chemical known to the State of California to cause cancer: Ethylbenzene

This product contains the following chemical known to the State of California to cause reproductive toxicity: Toluene

#### 15.3 INTERNATIONAL REGULATIONS

The identified components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

#### 15.4 CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

B2: Flammable Liquid.

D2A: Contains a substance known to cause serious chronic toxicity or death.

Ethylbenzene

D2B: Irritating to eyes/skin.

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all information required by the CPR.

### SECTION 16. OTHER INFORMATION

#### 16.1 HAZARD RATINGS:

HEALTH (NFPA): 2, HEALTH (HMIS): 2, FLAMMABILITY: 3, PHYSICAL HAZARD: 0  
 (Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

#### 16.2 EMPLOYEE TRAINING

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

#### 16.3 SDS DATE: 02/18/2014

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**NOTICE**

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

Unless updated, the Safety Data Sheet is valid until 02/18/2017.