

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND IDENTIFICATION

Chemical product name: ACRYL GOUACHE Jet Black  
Name of manufacturer: Turner Colour Works Ltd.  
Address: 2-15-7, Mitsuyakita, Osaka Shi Yodogawa Ku, Osaka Fu, 532-0032, Japan  
Name of section: R&D  
Phone number: :+81-(0)6-6308-1216  
Emergency call: :+81-(0)6-6308-1216  
Fax number: :+81-(0)6-6305-3018  
E-MAIL: kenkyuu@turner.co.jp  
Revised Date/Issued Date: Apr. 09. 2019  
Form No. : 1338-04

## 2. HAZARDS IDENTIFICATION

### GHS Classification

#### Health Hazard :

Reproductive toxicity: category 2

#### Environmental Hazards:

Not applicable.

#### hazard pictograms:



silhouette

#### Signal word:

Warning

#### Hazard statements:

H361 Suspected of damaging fertility or the unborn child.

#### Precautionary statements:

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P280f Wear protective gloves/protective clothing/eye protection/face protection.  
P308+P313 IF exposed or concerned: Get medical advice/attention.

#### Other hazards:

P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance/Mixture: Mixture

General product description: Acrylic emulsion paints

Ingredients and composition:	(%)	CAS No.	Remarks
acrylic emulsion	22%	—	
Aniline Black	27%	13007-86-8	
included [chromium(iii) oxide]		1308-38-9	PRTR Law
included [water-soluble copper salts]			PRTR Law
Thickener	3.58%	secret	
1,2-Propanediol	1.42%	57-55-6	
3-Hydroxy-2,2,4-trimethylpentyl Isobutyrate	1.16%	25265-77-4	
polyethyleneglycol octylphenyl ether	0.51%	9036-19-5	
2-Amino-2-methyl-1-propanol	0.47%	124-68-5	
Hydroxyethyl Cellulose	0.37%	9004-62-0	
Antifoaming Agent	0.31%	secret	
Sodium alkyl naphthalene sulfonate	0.27%	secret	
2,4,7,9-Tetramethyl-5-decyne-4,7-diol	0.21%	126-86-3	
Phthalocyanine	0.11%	secret	
2-Butylbenzo[d]isothiazol-3(2H)-one	0.10%	4299-07-4	
1,2-Benzisothiazol-3(2H)-one	0.09%	2634-33-5	
Dispersible polymer	0.07%	secret	
Polyether	0.03%	secret	
2-Chloroacetamide	0.02%	79-07-2	
Water	42.55%	7732-18-5	
<b>TOTAL</b>	<b>100%</b>		

**4. FIRST - AID MEASURES**

Eye contact: Remove any contact lenses at once.

Flush eyes well with flooding amounts of running water for at least 15minutes.  
 assure adequate flushing be separating the eyelids with sterile fingers.  
 If irritation oersists, consult a physician.

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 Skin contact: Remove all contaminated clothing..

Washthe affected area with plenty of water with mild soap  
 If irritation is continued, refer to medical attention.

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 Inhalation: Remove the victim from the contamination immediately to fresh air.

If breathing is weak, irregular or has stopped, open his airway, loosen his and belt  
 and adminisiter artificial respiration. And refer for medical attention.

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 Ingestion: Do not induce vomiting and refer to medical attention.

never give anything to someone who is unconscious.

**5. FIRE - FIGHTING MEASURES**

Specific hazards regarding with fire fighting measure:

Apply water from a safe distance to cool and project surrounding area.  
 Firefighters should wear proper protective equipment and self-breathing apparatus.

Suitable extinguishing media: Water/Dry chemical powder/Carbon dioxide/Foam and dry sand.

hazardous combustion products: Carbon monoxide, smoke, fumes and oxides of carbon.

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## 6. ACCIDENTAL RELEASE MEASURES

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Personal precautions: Wear proper protective equipment.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Shut off all sources of ignition.  
Avoid contact with skin and eyes.  
Remove ignition sources and ventilate the area.  
Evacuate personnel to safe area. evacuate non-essential personnel.

Environmental precautions: Do not wash away into sewer, watercourse or river.  
Prevent spills from entering a lot of outflow, watercourses or low areas.  
In order to prevent a lot of outflow, it should be with the ground etc.

Methods for cleaning up: Take up spilled material with ashes or other absorbents.  
After material is completely picked up, wash the spill site with soap and water and ventilate the area.  
Put all wastes in a plastic bag for disposal and seal it tightly.  
Remove, clean, or dispose of contaminated clothing.

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## 7. HANDLING AND STORAGE

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Handling: Keep away from sources of ignition. - No smoking. Avoid contact with eyes.  
Avoid contact with skin. Do not swallow. Do not breathe gas/fumes/vapour/spray.  
Use only in well-ventilated areas. When using do not eat or drink.  
Wash hands before breaks and immediately after handling the product.

Storage: Keep out of the reach of children. Keep container in a well-ventilated place.  
Keep away from food, drink and animal feedingstuffs.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Ingredient (s)	Exposure Limits (ACGIH-TLV)
chromium(iii) oxide	0.5mg/m <sup>3</sup> , as Cr
water-soluble copper salts	1mg/m <sup>3</sup> , as Cu

### Exposure controls:

Occupational exposure controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

### Personal protective equipment:

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Wear suitable gloves.

Eye protection: Wear safety glasses with side shields.

Skin protection: Wear suitable protective clothing.

### Environmental exposure controls:

Maintain levels below Community environmental protection thresholds.

### General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical State: Liquid.  
Colour: Black  
Odour: Slight  
pH: 8.0 - 9.0  
Boiling point / boiling range: 100°C (water)  
Melting point / melting range: No information available.  
Flash point: No information available.  
Flammability (solid, gas): No information available.  
Explosive properties: No information available.  
Oxidising properties: No information available.  
Vapour pressure: No information available.  
Relative density (of concentrate): 1.134  
Solubility (in water) (of concentrate): Complete.  
Solubility (in oil) (of concentrate): Impossible  
Partition coefficient: n-octanol/water: No information available.  
Viscosity (of concentrate): No information available.  
Miscibility: No information available.  
Vapor density: No information available.  
Evaporation rate: No information available.  
Auto-ignition temperature: No information available.  
Lower Flammability Limit: No information available.  
Upper Flammability Limit: No information available.

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## 10. STABILITY AND REACTIVITY

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Stability: Stable under recommended storage conditions. Contents under pressure.  
Container may explode if heated. Do not puncture. Do not burn.  
Conditions to avoid: No dangerous reaction known under conditions of normal use.  
Materials to avoid: Acids. Bases. Oxidizers. Reducing agents.  
Hazardous decomposition products: No information available.

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## 11. TOXICOLOGICAL INFORMATION

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- chromium(iii) oxide  
No information available.
- water-soluble copper salts  
No information available.

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## 12. ECOLOGICAL INFORMATION

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Toxicity: No further relevant information available.  
Aquatic toxicity:  
■ chromium(iii) oxide  
Hazardous to the aquatic environment (acute) : category 1  
Hazardous to the aquatic environment (chronic) : category 1  
  
Persistence and degradability: No further relevant information available.  
Behavior in environmental systems: No further relevant information available.  
Bioaccumulative potential: No further relevant information available.  
Mobility in soil: No further relevant information available.  
Additional ecological information: No further relevant information available.

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## 13. DISPOSAL CONSIDERATIONS

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Do not dump sewers, on the ground or into any of water.  
Consult an expert on the disposal of recovered material.  
Be sure to mention name, catalog number quantity of the material.  
Disposal must be made according to official regulations.

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#### 14. TRANSPORT INFORMATION

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■ Land transport

Not classified as a dangerous good under transport regulations.

■ Inland waterway transport

Not classified as a dangerous good under transport regulations.

■ Sea transport

Not classified as a dangerous good under transport regulations.

■ Air transport

Not classified as a dangerous good under transport regulations.

■ UN No.

Not applicable

It does not fall under the dangerous goods under the UN Recommendation.

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#### 15. REGULATORY INFORMATION

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Regulatory information with regard to this substance in your country or in your region be examined by your own responsibility.

■ Law concerning Pollutant Release and Transfer Register / PRTR Law

chromium(iii) oxide(Class1 No.87), water-soluble copper salts(class1 No.272)

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#### 16. OTHER INFORMATION

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Disclaimer: JET BLACK carry CL mark.

The information contained in this document applies to this specific material as supplied.

It may not be valid for this material if it is used in combination with any other materials.

It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

## Section 1 Chemical Product and Company Identification

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**HOME SCIENCE TOOLS**

665 Carbon Street  
Billings, MT 59102  
800-860-6272  
www.homesciencetools.com

**CHEMTREC 24 Hour Emergency USA**  
**Phone Number (800) 424-9300**  
**1 703-741-5500 (from anywhere in the world).**  
For laboratory and industrial use only.  
Not for drug, food or household use.

<b>Product</b>	<b>ISOPROPYL ALCOHOL, 90%</b>
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<b>Synonyms</b>	Isopropanol, 90% Solution
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## Section 2 Hazards Identification

**Signal word:** DANGER**Pictograms:** GHS02 / GHS07**Target organs:** Central nervous system, Liver, Kidneys.**GHS Classification:**

Flammable liquid (Category 2)

Eye irritation (Category 2)

STOT-SE (Category 3)

**GHS Label information: Hazard statement(s):**

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

**Precautionary statement(s):**

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P261: Avoid breathing mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a POISON CENTER or doctor if you feel unwell.

P337+P313: If eye irritation persists: Get medical attention.

P370+P378: In case of fire: Use dry chemical, alcohol foam, carbon dioxide or water spray to extinguish.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

**Hazards not otherwise classified:**

Health hazards not otherwise classified (HHNOC) - Not Known

Physical hazards not otherwise classified (PHNOC) - Not Known

## Section 3 Composition / Information on Ingredients

Chemical Name	CAS #	%	EINECS
Isopropyl alcohol	67-63-0	90%	200-661-7
Water	7732-18-5	10%	231-791-2

## Section 4 First Aid Measures

**INGESTION:** MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** MAY BE HARMFUL, IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**EYE CONTACT:** CAUSES EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

**SKIN ABSORPTION:** MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

## Section 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Carbon dioxide, dry chemical, dry sand, alcohol foam.**Protective Actions for Fire-fighters:** In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.**Specific Hazards:** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors formed from this product are heavier than air and may travel along the ground to a distant source of ignition and flash back instantly. Flame may not be visible in daylight.

## Section 6 Accidental Release Measures

**Personal Precautions:** Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.**Environmental Precautions:** Avoid runoff into storm sewers and ditches which lead to waterways.**Containment and Cleanup:** Remove all sources of ignition. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**Precautions for Safe Handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

**Conditions for Safe Storage:** Store in a cool, well-ventilated area away from incompatible substances. Keep away from ignition sources.

## Section 8 Exposure Controls / Personal Protection

Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
	Isopropanol	TWA: 200 ppm / STEL: 400 ppm	TWA: 400 ppm / 980 mg/m <sup>3</sup>	TWA: 400 ppm / STEL: 500 ppm

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

**Respiratory protection:** None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

## Section 9 Physical &amp; Chemical Properties

<b>Appearance:</b> Clear, colorless liquid. <b>Odor:</b> Aromatic odor. <b>Odor threshold:</b> Data not available. <b>pH:</b> Data not available. <b>Melting / Freezing point:</b> -90°C (-130°F)* <b>Boiling point:</b> 82°C (179.6°F)* <b>Flash point:</b> 18.3°C (65°F) CC *	<b>Evaporation rate ( Butyl acetate = 1):</b> >1 <b>Flammability (solid/gas):</b> Data not available. <b>Explosion limits: Lower / Upper:</b> 2% / 12% * <b>Vapor pressure (mm Hg):</b> 33 mm @20°C * <b>Vapor density (Air = 1):</b> 2.1 * <b>Relative density (Specific gravity):</b> 0.786-0.79 @ 20°C * <b>Solubility(ies):</b> Complete in water.	<b>Partition coefficient: (n-octanol / water):</b> Data not available <b>Auto-ignition temperature:</b> 399°C (750°F) ASTM-E659-78 <b>Decomposition temperature:</b> Data not available. <b>Viscosity:</b> Data not available. <b>Molecular formula:</b> Mixture <b>Molecular weight:</b> Mixture <b>*Pure Isopropanol</b>
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## Section 10 Stability &amp; Reactivity

**Chemical stability:** Stable

**Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Excessive temperatures, heat, sparks, open flame and other sources of ignition.

**Incompatible materials:** Strong oxidizing materials, caustics, aluminums, metals, nitroform, oleum, chlorinated compounds can react vigorously with this alcohol.

**Hazardous decomposition products:** Oxides of carbon.

## Section 11 Toxicological Information

**Acute toxicity:** Oral-rat LD50: 4396 mg/kg ; Inhalation-rat LC50: 72.6 mg/L/4 hours ; Dermal-rat LD50: 12,000 mg/kg

**Skin corrosion/irritation:** Skin-rabbit - Slight irritant.

**Serious eye damage/irritation:** Eyes-rabbit - Irritating.

**Respiratory or skin sensitization:** Not sensitizing

**Germ cell mutagenicity:** Data not available

**Carcinogenicity:** Data not available

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC classified: Group 3: Not classifiable as to its carcinogenicity to humans

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** Data not available

**STOT-single exposure:** The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

**STOT-repeated exposure:** Data not available

**Aspiration hazard:** Yes

**Potential health effects:**

Inhalation: Inhalation of high vapor concentrations may cause central nervous system depression resulting in dizziness, drowsiness, nausea, vomiting, inability to concentrate and irritation of the throat. Continued inhalation may result in unconsciousness and death.

Ingestion: Aspiration hazard. Liquid can directly enter the lungs (aspirated) when swallowed or vomited. Serious lung damage and possible fatal chemical pneumonia can develop if this occurs.

Skin: Prolonged or repeated contact may cause irritation and drying, cracking and defatting of the skin which can lead to dermatitis.

Eyes: Contact causes burning sensation, redness, swelling, and/or blurred vision.

**Signs and symptoms of exposure:** See Potential health effects above.

**Additional information:** RTECS #: NT8050000 [Isopropanol]

## Section 12 Ecological Information

**Toxicity to fish:** Pimephales promelas (Fish, fresh water) LC50: 9640 mg/L/96 hours [Isopropanol]

**Toxicity to daphnia and other aquatic invertebrates:** Artemia salina (Crustacea), EC50 = >10,000 mg/L/24 hours [Isopropanol]

**Toxicity to algae:** Scenedesmus quadricauda (Algae), LOEC50 = 1,800 mg/L/7 days [Isopropanol]

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**PBT and vPvB assessment:** No data available

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## Section 13 Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

## Section 14 Transport Information (US DOT / CANADA TDG)

**UN/NA number:** UN1219

**Shipping name:** Isopropanol solution

**Hazard class:** 3

**Packing group:** II

**Reportable Quantity:** No

**Marine pollutant:** No

**Exceptions:** Limited quantity equal to or less than 1 L

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## Section 15 Regulatory Information

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

Component	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Isopropyl alcohol	Listed	Not listed	Not listed	Listed	Not listed	This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

## Section 16 Other Information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.