

# SAFETY DATA SHEET



SDS ID: CRAY-041  
CRAYOLA® WASHABLE MARKERS

## 1. Identification

### Product identifier

**Material Name:** CRAYOLA® WASHABLE MARKERS

### Other means of identification

**Product Code(s)** CRAY-041

### Synonyms

CRAYOLA® WASHABLE MARKERS; CRAYOLA ULTRA-CLEAN BROAD LINE AND FINE LINE MARKERS; CRAYOLA WASHABLE MARKERS BROAD LINE AND FINE LINE; SIGNATURE NEON LIGHT EFFECTS MARKERS; AIRBRUSH MARKERS AND REFILLS; COLORCLICKS; BRUSH TIP SUPERTIPS; WINDOW F/X MARKERS; COLOR F/X MARKERS; TRICOLOR MARKERS; RAINBOW CONNECTOR MARKERS; MEGA POSTER MARKERS; DOODLING MARKERS; PIPSQUEAK BROADLINE AND SKINNIES MARKERS; COLORING-BOOK MARKERS; BEGINNINGS MARKERS; FLIP TOP MARKERS; HEADS 'N TAILS MARKERS COLOR TWISTER; TADOODLES; GEL FX; HASSLE FREE 3-IN-1 PAINT; MINI STAMPERS; YOUNG MOM; NO-DRIP PAINT BRUSH PENS; PIP-SQUEAK SKINNIES MARKERS; RECOLORITZ; MY FIRST CRAYOLA; POWERLINES; ART KITS; ART SUPPLIES; ART TUB; ART BUDDY BACKPACK; CLASSPACKS; CREATIVITY TUB; FOR THE CURE; STORY STUDIO; INSPIRATION ART CASE; MARKER MAKER; MARKER MAKER REFILL; PIP-SQUEAKS WASHABLE MARKER KIT PREMIER ART KIT; PROJECTOR LIGHT DESIGNER; SKETCHER PROJECTOR; TELESCOPING TOWER; TUB OF FUN; TRAYOLA; SUPER-TIPS WASHABLE MARKERS; ULTIMATE ART SUPPLIES & EASEL; WASHABLE STAMP PAD; WINDOW MARKER & STENCIL KIT; LIGHT DESIGNER; COLOR N ERASE; EMOJI MAKER; COLOR CHEMISTRY; TAKE NOTE WASHABLE GEL MARKERS/PENS; WET ERASE; IMAGINATION ART SET; SKETCH AND COLOR ART CASE; COLORS OF THE WORLD MARKERS; SUPER CLICK RETRACTABLE MARKERS; SCRIBBLE SCRUBBIE MARKERS; SPIN AND SPIRAL ART SET; MARKER AIRBRUSH; MINI MARKER SPRAYER; MARKER MIXER; SCRIBBLE SCRUBBIE DINOSAUR ISLAND; BRUSH & DETAIL DUAL-TIP MARKERS; PRODUCT CODE(S): 03-9006; 03-9100; 03-9101; 04-0029; 04-0030; 04-0035; 04-0040; 04-0050; 04-0054; 04-0556; 04-0057; 04-0058; 04-0089; 04-5062; 04-5055; 04-0127; 04-0130; 04-0131; 04-0133; 04-0138; 04-0139; 04-0141; 04-0142; 04-0143; 04-0146; 04-0149; 04-0151; 04-0152; 04-0174; 04-0180; 04-0208; 04-0235; 04-0236; 04-0260; 04-0265; 04-0267; 04-0268; 04-0294; 04-0296; 04-0297; 04-0298; 04-0299; 04-0346; 04-0348; 04-0355; 04-0363; 04-0377; 04-0379; 04-0401; 04-0436; 04-0437; 04-0438; 04-0439; 04-0400; 04-0404; 04-0440; 04-0455; 04-0504; 04-0506; 04-0517; 04-0521; 04-0524; 04-0530; 04-0533; 04-0546; 04-0557; 04-0559; 04-0561; 04-0563; 04-0564; 04-0573; 04-0574; 04-0575; 04-0576; 04-0577; 04-0578; 04-0580; 04-0581; 04-0583; 04-0594; 04-0595; 04-0596; 04-0597; 04-0599; 04-0598; 04-0600; 04-0601; 04-0604; 04-0610; 04-0611; 04-0612; 04-0619; 04-0629; 04-0630; 04-0633; 04-0635; 04-0636; 04-0637; 04-0638; 04-0639; 04-0641; 04-0648; 04-0649; 04-0650; 04-0657; 04-0661; 04-0702; 04-0703; 04-0781; 04-0901; 04-0910; 04-0911; 04-0912; 04-0918; 04-0919; 04-0920; 04-0923; 04-0928; 04-0937; 04-0944; 04-0945; 04-0981; 04-0982; 04-0983; 04-0984; 04-1024; 04-1025; 04-1040; 04-1042; 04-1050; 04-1051; 04-1052; 04-1053; 04-1054; 04-1089; 04-1900; 04-1096; 04-1234; 04-1235; 04-1257; 04-1906; 04-1910; 04-1911; 04-1912; 04-1913; 04-1914; 04-1917;

04-1918; 04-1921; 04-1923; 04-1955; 04-1970; 04-1972; 04-2008; 04-2009; 04-2010; 04-2014; 04-2016; 04-2026; 04-2300; 04-2467; 04-2469; 04-2522; 04-2532; 04-2536; 04-2537; 04-2539; 04-2540; 04-2542; 04-2543; 04-2544; 04-2549; 04-2555; 04-2580; 04-2581; 04-2632; 04-2713; 04-2739; 04-2743; 04-2745; 04-2900; 04-2910; 04-2925; 04-2932; 04-2933; 04-2934; 04-2911; 04-3300; 04-3301; 04-3302; 04-3303; 04-3304; 04-3305; 04-3306; 04-3307; 04-3315; 04-4600; 04-4610; 04-4830; 04-5029; 04-5053; 04-5054; 04-5055; 04-5056; 04-5062; 04-5087; 04-5189; 04-5195; 04-5226; 04-5227; 04-5229; 04-5350; 04-5354; 04-5355; 04-5358; 04-5367; 04-5400; 04-5401; 04-5555; 04-5556; 04-5674; 04-5678; 04-5679; 04-5680; 04-5692; 04-5700; 04-5701; 04-5708; 04-5709; 04-5713; 04-5714; 04-5715; 04-5716; 04-5718; 04-5802; 04-5803; 04-5807; 04-5808; 04-5811; 04-5812; 04-5813; 04-5814; 04-5815; 04-5819; 04-5820; 04-5821; 04-5844; 04-5850; 04-5855; 04-5856; 04-5859; 04-5860; 04-5869; 04-5873; 04-5874; 04-5900; 04-6006; 04-6016; 04-6701; 04-6806; 04-6807; 04-6808; 04-6810; 04-6814; 04-6816; 04-6828; 04-6829; 04-6847; 04-6866; 04-6868; 04-6870; 04-6873; 04-6876; 04-6879; 04-6897; 04-6898; 04-6900; 04-6901; 04-6918; 04-6919; 04-0427; 04-0559; 04-6932; 04-6933; 04-6937; 04-7001; 04-7004; 04-7005; 04-8722; 04-8723; 04-8727; 04-8732; 04-8733; 04-8734; 04-8735; 04-8737; 04-8800; 52-3348; 54-4012; 54-6201; 54-6202; 54-6203; 54-6205; 54-6206; 56-8106; 56-8150; 57-4515; 58-0080; 58-0083; 58-0084; 58-0101; 58-0383; 58-0381; 58-1464; 58-1849; 58-2194; 58-2201; 58-2262; 58-2284; 58-2287; 58-2288; 58-2289; 58-2290; 58-2291; 58-2292; 58-2293; 58-2298; 58-2300; 58-2307; 58-2316; 58-2321; 58-2342; 58-2908; 58-2910; 58-2911; 58-2912; 58-5020; 58-5021; 58-5047; 58-5048; 58-5050; 58-5051; 58-5053; 58-5057; 58-5058; 58-5067; 58-5070; 58-5071; 58-5100; 58-5101; 58-5102; 58-5103; 58-5104; 58-5105; 58-5106; 58-5107; 58-5108; 58-5121; 58-5151; 58-5201; 58-5202; 58-5203; 58-5204; 58-5205; 58-5206; 58-5207; 58-5208; 58-5209; 58-5210; 58-5211; 58-5212; 58-5214; 58-5880; 58-5881; 58-6006; 58-6007; 58-6023; 58-6034; 58-6038; 58-6040; 58-6042; 58-6044; 58-6046; 58-6104; 58-6106; 58-6414; 58-6501; 58-6503; 58-6504; 58-6505; 58-6511; 58-6518; 58-6532; 58-6534; 58-6535; 58-6549; 58-6552; 58-6562; 58-6563; 58-6565; 58-6566; 58-6569; 58-6570; 58-6571; 58-6572; 58-6573; 58-6583; 58-6592; 58-6595; 58-6596; 58-6602; 58-6603; 58-6606; 58-6607; 58-6632; 58-6637; 58-6638; 58-6664; 58-6671; 58-6706; 58-6755; 58-7100; 58-7102; 74-7154; 58-7200; 58-7208; 58-7212; 58-7401; 58-7509; 58-7512; 58-7513; 58-7514; 58-7516; 58-7613; 58-7621; 58-7624; 58-7625; 58-7628; 58-7629; 58-7630; 58-7631; 58-7632; 58-7634; 58-7635; 58-7636; 58-7637; 58-7638; 58-7639; 58-7640; 58-7641; 58-7645; 58-7646; 58-7647; 58-7648; 58-7649; 58-7660; 58-7661; 58-7662; 58-7664; 58-7700; 58-7713; 58-7714; 58-7715; 58-7730; 58-7735; 58-7746; 58-7800; 58-7801; 58-7802; 58-7805; 58-7208; 58-7807; 58-7808; 58-7809; 58-7810; 58-7812; 58-7813; 58-7815; 58-7816; 58-7819; 58-7827; 58-7832; 58-7836; 58-7847; 58-7851; 58-7852; 58-7853; 58-7854; 58-7855; 58-7856; 58-7857; 58-7858; 58-7959; 58-7860; 58-7861; 58-7863; 58-7868; 58-7869; 58-7908; 58-7900; 58-7910; 58-8106; 58-8125; 58-8128; 58-8129; 58-8133; 58-8134; 58-8135; 58-8136; 58-8137; 58-8138; 58-8146; 58-8148; 58-8151; 58-8163; 58-8165; 58-8166; 58-8171; 58-8173; 58-8174; 58-8177; 58-8178; 58-8179; 58-8180; 58-8181; 58-8194; 58-8186; 58-8185; 58-8186; 58-8187; 58-8200; 58-8201; 58-8208; 58-8210; 58-8211; 58-8212; 58-8713; 58-8214; 58-8215; 58-8217; 58-8220; 58-8221; 58-8228; 58-8230; 58-8231; 58-8232; 58-3233; 58-8234; 58-8235; 58-8236; 58-8237; 58-8238; 58-8260; 58-8261; 58-8268; 58-8269; 58-8272; 58-8310; 58-8329; 58-8330; 58-8331; 58-8338; 58-8339; 58-8340; 58-8343; 58-8350; 58-8356; 58-8358; 58-8359; 58-8353; 58-8360; 58-8362; 58-8363; 58-8370; 58-8553; 58-8610; 58-8612; 58-8700; 58-8701; 58-8703; 58-8704; 58-8708; 58-8709; 58-8717; 58-8719; 58-8720; 58-8721; 58-8722; 58-8723; 58-8724; 58-8725; 58-8726; 58-8727; 58-8731; 58-8732; 58-8733; 58-8734; 58-8735; 58-8736; 58-8741; 58-8745; 58-8750; 58-8764; 58-8765; 58-8766; 58-9050; 58-8190; 58-8824; 58-8825; 58-8826; 58-8827; 58-9505; 58-9908-P-XXX (1000 PACK BROADLINE MARKERS); -158 (TROPICAL VIOLET); -161 (ORANGE CIRCUIT); 58-9909-P-XXX (1300 PACK FINELINE U/C MARKERS); -011 (COPPER); -034 (YELLOW); -036 (ORANGE); -038 (RED); -040 (VIOLET); -041 (PLUM); -042 (BLUE); -044 (GREEN); -045 (PRIMROSE); -047 (PINK); -051 (BLACK); -054 (BLUE LAGOON); -057 (GOLDEN YELLOW); -063 (KIWI/CITRINE); -066 (TEAL); -086 (RASPBERRY); 74-0232; 74-0236; 74-0237; 74-0238; 74-0239; 74-0245; 74-0293; 74-2444; 74-6080; 74-7059; 74-7147; 74-7150; 74-7202; 74-7210; 74-7413; 74-7414; 747415; 74-7270; 74-7245; 74-7246; 74-7248; 74-7249; 74-7252; 74-7253; 74-7254; 74-7255; 74-7260; 74-7262; 74-7264; 74-7265; 74-7267; 74-7268; 74-7269; 74-7283; 74-7284; 74-7285; 74-7286; 74-7287; 74-7288; 74-7289; 74-7295; 74-7296; 74-7298; 74-7304; 74-7310; 74-7311;

74-7312; 74-7321; 74-7322; 74-7324; 74-7325; 74-7326; 74-7327; 74-7328; 74-7329;  
 74-7330; 74-7331; 74-7332; 74-7333; 74-7249; 74-7300; 74-7352; 74-7353; 74-7354;  
 74-7355; 74-7346; 74-7356; 74-7357; 74-7358; 74-7359; 74-7360; 74-7362; 74-7363;  
 74-7364; 74-7365; 74-7366; 74-7367; 74-7368; 74-7369; 74-7370; 74-7371; 74-7372;  
 74-7373; 74-7374; 74-7406; 74-7407; 74-7409; 74-7411; 74-7412; 74-7417; 74-7419;  
 74-7422; 74-7426; 74-7427; 74-7428; 74-7438; 74-7439; 74-7441; 74-7442; 74-7445;  
 74-7447; 74-7450; 74-7457; 74-7460; 74-7469; 74-7470; 74-7471; 74-7479; 74-7481;  
 74-7483; 74-7485; 74-7488; 74-7489; 74-7506; 74-7507; 74-7611; 74-7612; 74-7613;  
 74-7621; 74-7622; 74-7626; 74-7627; 74-7635; 74-7656; 74-7663; 74-7666; 74-7667;  
 74-7669; 74-7672; 81-1150; 81-1324; 81-1359; 81-1365; 81-1459; 81-1466; 81-1491;  
 81-1493; 81-1494; 81-1503; 81-1548; 81-2007; 81-2013; 81-8109; 81-8123; 81-8326;  
 81-8128; 81-8324; 81-8325; 82-7251; 82-7275; 95-0291; 99-0064; 99-0066; 99-0067;  
 99-0068; 99-0075; INT-2061; INT-2062;

**Recommended use of the chemical and restrictions on use**

**Recommended use** Arts and Crafts

**Restrictions on use** None Known

**Details of the supplier of the safety data sheet**

**Supplier Address**

CRAYOLA LLC  
 1100 Church Lane  
 Easton, PA 18044  
 Phone: 1-800-272-9652

**E-mail** support@crayola.com

**Emergency telephone number**

**Emergency Telephone** 1-800-535-5053 or call local POISON CONTROL

**2. Hazard(s) identification**

**Classification**

Not classified as hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Hazards not otherwise classified (HNOC)**

Not applicable

**Label elements**

**Hazard statements**

Not classified as hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Appearance** article containing liquid                      **Physical state** Solid                      **Odor** No information available

**Other information**

No information available.

**3. Composition/information on ingredients**

**Substance**

Chemical name	CAS No	Weight-%	Trade secret
Product has been certified as nontoxic by the Art & Creative Materials Institute, Inc. and conforms to ASTM D 4236 standard practice for labeling art materials for acute and chronic adverse health hazards	-	100	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First-aid measures**

**Description of first aid measures**

- Inhalation** It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.
- Eye contact** It is unlikely that emergency treatment will be required. Flush eyes with plenty of water for at least 15 minutes. If eye irritation persists, get medical advice/attention.
- Skin contact** It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.
- Ingestion** Call a poison control center or doctor immediately for treatment advice.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** None under normal use conditions.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures**

- Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
  - Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.
- Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.
- Specific hazards arising from the chemical** None expected.
- Explosion data**
  - Sensitivity to mechanical impact** None.
  - Sensitivity to static discharge** None.
- Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** None under normal use conditions.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

## 8. Exposure controls/personal protection

### Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Eye protection not required under normal conditions.

**Hand protection** Protective gloves are not required under normal conditions.

**Skin and body protection** It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.

**Respiratory protection** No respirator is required under normal conditions of use.

**Environmental exposure controls** This product is not classified as hazardous.

**General hygiene considerations** Wash hands thoroughly after handling.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state	Solid
Appearance	article containing liquid
Color	various colors
Odor	No information available
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6 - 9.5	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flash point	> 100°C	None known
Evaporation rate	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	1.06 - 1.12	None known
Water solubility	Soluble in water	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	1.06 - 4.2 cps	None known

### Other information

Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available

## 10. Stability and reactivity

Reactivity	No hazard expected.
Chemical stability	Stable at normal temperatures and pressure.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None reported.
Incompatible materials	Oxidizing materials.
Hazardous decomposition products	Oxides of carbon.

## 11. Toxicological information

**Information on likely routes of exposure**

<b>Inhalation</b>	No known effects under normal use conditions.
<b>Eye contact</b>	No known effects under normal use conditions.
<b>Skin contact</b>	No known effects under normal use conditions.
<b>Ingestion</b>	No known effects under normal use conditions.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Symptoms</b>	No known effects under normal use conditions.
-----------------	---

**Acute toxicity****Numerical measures of toxicity**

No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	Not classified.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.
<b>Other adverse effects</b>	This product is not classified as hazardous. No known effects under normal use conditions.
<b>Interactive effects</b>	No information available.

**12. Ecological information**

<b>Ecotoxicity</b>	The environmental impact of this product has not been fully investigated.
--------------------	---

**Persistence and degradability** No information available.

**Bioaccumulation** There is no data for this product.

**Other adverse effects** No information available.

### 13. Disposal considerations

#### Disposal methods

**Waste from residues/unused products** Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.

**Contaminated packaging** Do not reuse empty containers.

### 14. Transport information

DOT Not regulated

### 15. Regulatory information

#### International Inventories

**TSCA** All of the components of this product are listed on the TSCA Inventory.

**DSL/NDSL** Contact supplier for inventory compliance status.  
**EINECS/ELINCS** Contact supplier for inventory compliance status.  
**ENCS** Contact supplier for inventory compliance status.  
**IECSC** Contact supplier for inventory compliance status.  
**KECL** Contact supplier for inventory compliance status.  
**PICCS** Contact supplier for inventory compliance status.  
**AIIC** Contact supplier for inventory compliance status.  
**NZIoC** Contact supplier for inventory compliance status.

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AIIC** - Australian Inventory of Industrial Chemicals

**NZIoC** - New Zealand Inventory of Chemicals



**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not require warnings under California Proposition 65.

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

<b><u>NFPA</u></b>	<b>Health hazards</b> 0	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special hazards</b> -
<b><u>HMIS</u></b>	<b>Health hazards</b> 0	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal protection</b> X

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend Section 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

- Agency for Toxic Substances and Disease Registry (ATSDR)
- U.S. Environmental Protection Agency ChemView Database
- European Food Safety Authority (EFSA)
- EPA (Environmental Protection Agency)
- Acute Exposure Guideline Level(s) (AEGl(s))
- U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
- U.S. Environmental Protection Agency High Production Volume Chemicals
- Food Research Journal
- Hazardous Substance Database
- International Uniform Chemical Information Database (IUCLID)
- National Institute of Technology and Evaluation (NITE)
- Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
- NIOSH (National Institute for Occupational Safety and Health)
- National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Revision date** 09-Jun-2025  
**Revision Note** No information available.

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**