

# Material Safety Data Sheet



Issuing Date: 25-Jul-2013

Revision Date: 25-Jul-2013

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product ID:** 99295640

**Product name** Wella Color Charm Liquid Permanent Colorant 5NN Intense Light Brown

**Product Type** Finished Product - Professional Use Only

**Recommended use** Personal Beauty Care Product

**Synonyms** No information available

**Manufacturer** The Procter & Gamble Company  
Sharon Woods Innovation Center  
11510 Reed Hartman Highway  
Cincinnati OH 45202

**E-mail Address** pgsds.im@pg.com

**Emergency telephone** Transportation (24 HR)  
CHEMTREC - 1-800-424-9300  
(U.S./ Canada) or 1-703-527-3887  
Mexico toll free in country: 01-800-681-9531

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Flammable  
Risk of serious damage to eyes  
Harmful if swallowed  
May cause sensitization by skin contact  
Irritating to respiratory system and skin

**OSHA Regulatory Status** Consumer Products as defined by the U.S. Consumer Product Safety Act which are used as intended (typical consumer duration and frequency) are exempt from the OSHA Hazard Communication Standard. When used in a professional setting (at a much higher frequency and duration than a typical consumer) this material would be considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**WHMIS** Not subject to WHMIS classification.

**Principle Routes of Exposure** Eye Contact. Skin Contact. Inhalation. Ingestion.

**General Hazards** This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy-, branched and linear	127036-24-2	10 - 30
Isopropanol	67-63-0	10 - 30
Ammonia solution	1336-21-6	5 - 10
Laureth-2	3055-93-4	1 - 5
2-Methyl-p-phenylenediamine hemisulphate	615-50-9	1 - 5
2-Aminoethanol	141-43-5	1 - 5
Resorcinol	108-46-3	1 - 5

### 4. FIRST AID MEASURES

**General advice** When symptoms persist or in all cases of doubt seek medical advice.

**Eye Contact** Hair colorants can cause severe allergic reactions. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Consult a physician. Get medical attention immediately if symptoms occur.

**Skin Contact** Hair colorants can cause severe allergic reactions. If skin problems occur, discontinue use. Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

**Ingestion** If swallowed. Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.

**Inhalation** Move to fresh air. Get medical attention if irritation persists.

**Protection of First-aiders** Use personal protective equipment. Remove all sources of ignition.

**Most important symptoms/effects, acute and delayed** None known.

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Flammable Properties** Flammable liquid.

**Flash Point** 23 °C / 76.4 °F

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

**Extinguishing media which shall not be used for safety reasons** No information available

**Special Hazard** The release of the following substances is possible in a fire:  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)  
Nitrous oxides  
May form explosive mixtures with air

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** Avoid contact with skin, eyes and inhalation of vapors.

**Advice for emergency responders** Use personal protective equipment.

**Environmental precautions** **Household:** Do not discharge product into natural waters without pre-treatment or adequate dilution. **Non-household:** Should not be released into the environment.

**Methods for Containment** **Non-household:** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods for Cleaning up** **Non-household:** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use non-sparking tools and equipment. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**7. HANDLING AND STORAGE**

**Advice on safe handling** Keep out of the reach of children. Observe label precautions. Keep away from open flames, hot surfaces and sources of ignition.

**Technical measures/Storage conditions** Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	P&G OEL	Mexico OEL
Isopropanol	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>		Mexico: TWA 400 ppm Mexico: TWA 980 mg/m <sup>3</sup> Mexico: STEL 500 ppm Mexico: STEL 1225 mg/m <sup>3</sup>

2-Aminoethanol	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m <sup>3</sup> (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m <sup>3</sup> (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m <sup>3</sup>	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m <sup>3</sup> STEL: 6 ppm STEL: 15 mg/m <sup>3</sup>		Mexico: TWA 3 ppm Mexico: TWA 8 mg/m <sup>3</sup> Mexico: STEL 6 ppm Mexico: STEL 15 mg/m <sup>3</sup>
Resorcinol	STEL: 20 ppm TWA: 10 ppm	(vacated) TWA: 10 ppm (vacated) TWA: 45 mg/m <sup>3</sup> (vacated) STEL: 20 ppm (vacated) STEL: 90 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 45 mg/m <sup>3</sup> STEL: 20 ppm STEL: 90 mg/m <sup>3</sup>		Mexico: TWA 10 ppm Mexico: TWA 45 mg/m <sup>3</sup> Mexico: STEL 20 ppm Mexico: STEL 90 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Alberta</b>	<b>Quebec</b>	<b>Ontario TWAEV</b>	<b>British Columbia</b>	
Isopropanol		TWA: 400 ppm TWA: 985 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1230 mg/m <sup>3</sup>	TWA: 200 ppm STEL: 400 ppm	TWA: 200 ppm STEL: 400 ppm	
2-Aminoethanol	TWA: 3 ppm TWA: 7.5 mg/m <sup>3</sup> STEL: 6 ppm STEL: 15 mg/m <sup>3</sup>	TWA: 3 ppm TWA: 7.5 mg/m <sup>3</sup> STEL: 6 ppm STEL: 15 mg/m <sup>3</sup>	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm STEL: 6 ppm	
Resorcinol	TWA: 10 ppm TWA: 45 mg/m <sup>3</sup> STEL: 20 ppm STEL: 90 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 45 mg/m <sup>3</sup> STEL: 20 ppm STEL: 90 mg/m <sup>3</sup>	TWA: 10 ppm STEL: 20 ppm	TWA: 10 ppm STEL: 20 ppm	

**Engineering Measures** Not applicable.

**Personal Protective Equipment**

- Eye Protection** Safety glasses with side-shields. If splashes are likely to occur, wear.. Tightly fitting safety goggles.
- Hand Protection** Rubber/latex/neoprene or other suitable chemical resistant gloves.
- Skin and body protection** Wear protective gloves/clothing.
- Respiratory protection** Use only with adequate ventilation
- Thermal hazards** Not applicable.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.

**Environmental Exposure Controls** See Section 6.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State @20°C** liquid  
**Appearance** Pale yellow. orange. red. viscous liquid .  
**Odor** Ammoniacal

<u>Property</u>	<u>Values</u>	<u>Note</u>
<b>pH VALUE</b>	9.5 - 10.8	
<b>melting/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>	No information available	
<b>Flash Point</b>	23 °C / 76.4 °F	
<b>Evaporation Rate</b>	No information available	
<b>flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>Upper Flammability Limit</b>	No information available	
<b>lower flammability limit</b>	No information available	
<b>vapor pressure</b>	No information available	
<b>Vapor Density</b>	No information available	
<b>Relative Density</b>	0.99-1.01	
<b>Water solubility</b>	Slightly insoluble	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition Temperature</b>	No information available	.
<b>decomposition temperature</b>	No information available	.
<b>Viscosity of Product</b>	No information available	
<b>Bulk Density</b>	No information available	

<b>Chemical Name</b>	<b>Partition Coefficient (n-octanol/water)</b>
Isopropanol	0.05
Ammonia solution	13.8
2-Methyl-p-phenylenediamine hemisulphate	0.6 (EU 1.8)
2-Aminoethanol	-2.3 (OECD 107, shake-flask method, pH 6.8 7.3 and 25 C)
Resorcinol	0.8 (octanol-water,20 °C )

**VOC Content** Products comply with US state and federal regulations for VOC content in consumer products.  
**Oxidizing properties** No information available

**10. STABILITY AND REACTIVITY**

**Reactivity** None under normal use conditions.  
**Stability** Stable under normal conditions.  
**Hazardous Polymerization** Hazardous polymerization does not occur.  
**Hazardous Reactions** None under normal processing.  
**Conditions to Avoid** Keep away from open flames, hot surfaces and sources of ignition. Extremes of temperature and direct sunlight.  
**Materials to Avoid** None in particular.  
**Hazardous Decomposition Products** None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

**Acute Toxicity** Risk of serious damage to eyes. Harmful if swallowed. Irritating to respiratory system and skin.

**Principle Routes of Exposure** Eye Contact. Skin Contact. Inhalation. Ingestion.

**Inhalation** Irritating to respiratory system.  
**Skin Contact** Irritating to skin. May cause sensitization by skin contact.  
**Ingestion** Harmful if swallowed.  
**Eye Contact** Risk of serious damage to eyes.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isopropanol	5840 mg/kg bw (similar to OECD 401; rat)	-	> 9988.6 mg/L (similar to OECD 403; rat; whole body; 6 h)
Ammonia solution	350 mg/kg (Rat)	-	-
2-Methyl-p-phenylenediamine hemisulphate	102 mg/kg (rat)	1120 mg/kg (rabbit)	-
2-Aminoethanol	1089 mg/kg bw (OECD 401, rat)	1000 mg/kg (rabbit)	-
Resorcinol	510 mg/kg bw (OECD 401, rat)	2830 mg/kg bw (rabbit)	>1.95 mg/l 4h (rat)

### Chronic toxicity

**Corrosivity** No known effect.  
**Sensitization** May cause sensitization of susceptible persons.  
**Neurological Effects** No known effect.  
**Reproductive toxicity** The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.  
**Mutagenic Effects** There are no known mutagenic chemicals in this product.  
**Developmental Toxicity** No known effect.  
**Teratogenicity** No known effect.  
**Carcinogenicity** Contains no ingredients above reportable quantities listed as a carcinogen.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Acute Toxicity**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Isopropanol	> 100 mg/L (Leuciscus idus melanotus; static)	9640 mg/L (Guideline: similar to OECD 203 and U.S. Environmental Protection Agency Committee on Methods for Toxicity Tests with Aquatic Organisms (1975); Pimephales promelas; flow-through; freshwater)	Toxicity threshold: 1050 mg/L (similar to DIN 38412, part 8; Pseudomonas putida; static; freshwater; 16 h)	> 100 mg/L (Daphnia magna; static test)	-
Ammonia solution	-	0.89 mg/L (Freshwater; no other test conditions indicated)	-	0.101 mg/L (Daphnia magna; no other test conditions indicated)	-
2-Aminoethanol	2.5 mg/L (OECD Guideline 201, Selenastrum capricornutum, freshwater)	349 mg/L (Guideline: Directive 92/69/EEC, C.1., semi-static, Cyprinus carpio)	EC10: > 1000 mg/L (OECD 209, activated sludge, domestic, static, 30 min)	65 mg/L (EU Method C.2, Daphnia magna, static)	-
Resorcinol	> 97 mg/L (OECD 201, Pseudokirchnerella subcapitata, static, growth rate)	26.8 mg/L (EPA-660/3/75-009, Pimephales promelas, flow-through)	79 mg/L (OECD 209, activated sludge of a predominantly domestic sewage, 3 h)	1.0 mg/L (OECD 202, Daphnia magna, semi-static, mobility)	-

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Isopropanol				140.9 mg/L (Daphnia magna; freshwater; 16 d)	
2-Aminoethanol		1.2 mg/L (OECD 210, Oryzias latipes)			
Resorcinol	97 mg/L (OECD 201, Pseudokirchnerella subcapitata, static, growth rate, 72 h)	LOEC (mortality and total embryotoxicity): 320 mg/L; LOEC (length): 100 mg/L and LOEC (weight): 32 mg/L (OECD Guide-line draft "Early Life Stage Test (ELS-Test)", Oncorhynchus mykiss, freshwater)		>=0.172 mg/l EC50 Daphnia magna 21d (OECD 211)	

**Persistence and degradability**

Chemical Name	Ready Test Results	Other Degradability / Persistence Test Results
Isopropanol	BOD5/COD: > 0.5 (Guideline: similar to EU Method C.5 and similar to EU Method C.6; sewage, domestic (adaptation not specified); aerobic)	
2-Aminoethanol	DOC removal: >90% (OECD 301 A)	O2 consumption: 83% (OECD 301 C)

Resorcinol	BOD: 66.7% (OECD Guideline 301 C, 14 day, activated sludge, non-adapted)	
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**Bioaccumulative potential**

Chemical Name	Bioconcentration factor (BCF)
Resorcinol	3.16 (Calculated by EPISuite v 3.12)

**Mobility**

Chemical Name	KOC Values
2-Aminoethanol	1.167 (Calculated value)
Resorcinol	10.36 (adsorption, batch equilibrium method)

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste from Residues / Unused Products** **Household:** Do not discharge product into natural waters without pre-treatment or adequate dilution. **Non-household:** Should not be released into the environment. Dispose of in accordance with local regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Resorcinol	U201	-	-	U201

**California Hazardous Waste Codes (non-household setting)** 331

**Other disposal recommendations** **Non-household:** Products covered by this MSDS, in their original form, when disposed from a commercial facility as waste, are ignitable hazardous waste, D001, according to Federal RCRA regulations(40 CFR 261). Disposal should be in accordance with Local, State and Federal regulations.

**14. TRANSPORT INFORMATION**

**DOT**

**UN/ID no** UN1993  
**Proper shipping name** Flammable liquids, n.o.s.  
**Hazard Class** 3  
**Packing group** III  
**Description** UN1993, Flammable liquid, n.o.s (Propan-2-ol, Hexyl acetate), 3, III, , MARINE POLLUTANT, Ltd. Qty.  
**Emergency Response Guide Number** 128

**TDG**

**UN/ID no** UN1993  
**Proper shipping name** FLAMMABLE LIQUID, N.O.S.  
**Hazard Class** 3  
**Packing group** III  
**Description** UN1993, Flammable liquid, n.o.s (Propan-2-ol, Hexyl acetate), 3, III, MARINE POLLUTANT, Ltd. Qty.

**MEX**

**UN/ID no** UN1993  
**Proper shipping name** FLAMMABLE LIQUID, N.O.S.



**Hazard Class** 3  
**Packing group** III  
**Description** UN1993, Flammable liquid, n.o.s (Propan-2-ol, Hexyl acetate), 3, III, MARINE POLLUTANT, Ltd. Qty.

**IATA**

**UN/ID no** UN1993  
**Proper shipping name** FLAMMABLE LIQUID, N.O.S.  
**Hazard Class** 3  
**Packing group** III  
**ERG Code** 3L  
**Description** UN1993, Flammable liquid, n.o.s (Propan-2-ol, Hexyl acetate), 3, III, MARINE POLLUTANT, Ltd. Qty.

**IATA comment** Can also be shipped as ID8000 Consumer Commodity

**ICAO**

**UN/ID no** UN1993  
**Proper shipping name** FLAMMABLE LIQUID, N.O.S.  
**Hazard Class** 3  
**Packing group** III  
**Description** UN1993, Flammable liquid, n.o.s (Propan-2-ol, Hexyl acetate), 3, III, MARINE POLLUTANT, Ltd. Qty.

**ICAO Comment** Can also be shipped as ID8000 Consumer Commodity

**IMDG/IMO**

**UN/ID no** UN1993  
**Proper shipping name** FLAMMABLE LIQUID, N.O.S.  
**Hazard Class** 3  
**Packing group** III  
**EmS No.** F-E, S-E  
**Description** UN1993, Flammable liquid, n.o.s (Propan-2-ol, Hexyl acetate), 3, III, (23°C c.c.), MARINE POLLUTANT, Ltd. Qty.

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Isopropanol	67-63-0	14	1.0
Ammonia solution	1336-21-6	7.63518	1.0

**SARA 311/312 Hazard Categories**

Acute Health Hazard yes  
 Chronic Health Hazard No  
 Fire Hazard yes  
 Sudden Release of Pressure Hazard No  
 Reactive Hazard No

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Ammonia solution	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ
Resorcinol	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

**Food and Drug Administration (FDA)**

The product described in this Material Safety Data Sheet is regulated under the Federal Food, Drug, and Cosmetics Act and is safe to use as per directions on container, box or accompanying literature (where applicable).

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following substance(s) which are either listed as hazardous air pollutants (HAPS) or VOC's per the Clean Air Act:

Chemical Name	CAA (Clean Air Act) - 1990 Hazardous Air Pollutants
2-Phenoxyethyl isobutyrate	X

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Ammonia solution	1000 lb	-	-	X
Resorcinol	5000 lb	-	-	X

**U.S. State Regulations**

**California Proposition 65**

This product is not subject to warning labeling under California Proposition 65

Chemical Name	New Jersey
Isopropanol	X
Ammonia solution	X
2-Aminoethanol	X
Resorcinol	X
Propylene glycol	X

Chemical Name	Massachusetts
Isopropanol	X
Ammonia solution	X
2-Aminoethanol	X
Resorcinol	X

Chemical Name	Pennsylvania
9-Octadecenoic acid (9Z)-	X
Isopropanol	X
Ammonia solution	X
2-Aminoethanol	X
Resorcinol	X
Propylene glycol	X
2-Phenoxyethyl isobutyrate	X

Chemical Name	Rhode Island
Ammonia solution	X
Resorcinol	X

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**International Regulations**

**Canada**

**WHMIS Hazard Class**

Not subject to WHMIS classification

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR. This product is regulated by the Food and Drug Administration of Health Canada and is therefore exempt from the requirements of CEPA.

**International Inventories**

<b>TSCA</b>	Product is a personal care product and regulated under FDA
<b>DSL</b>	Exempt
<b>NDSL</b>	Exempt
<b>CEPA</b>	P&G Canadian Regulatory reviewed this material to ensure CEPA Compliance

**Perfumes contained with the products comply with appropriate IFRA guidance.**

**Legend**

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

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

<b>16. OTHER INFORMATION</b>
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**Issuing Date:** 25-Jul-2013

**Revision Date:** 25-Jul-2013

**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 MSDS**