

# Material safety data sheet

Material Name: multi-purpose Solution  
Issue Data: 05/01/2013  
MSDS NO.: Formulas 080---DD-101

## Section 1 -

### Chemical product and company identification

Chemical Name:	Colloid
Product Use:	Disinfectant, antiseptic cleaning solution
Mfg.Part#:	Formulab080
Brand Names:	DD-101
Synonyms:	Cleaners, Degreaser
Sup.Part#:	Not applicable

### Manufacturer Information:

DD Solution (S) Pte Ltd  
18, Boon Lay Way  
#04-143, TradeHub 21  
Singapore 609966  
Phone: (+65)6795-7517

## Section 2 - Composition/Information on Ingredients

### Component Information/Information on Non-Hazardous

Components:  
All components have been identified and evaluated under the criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

## Section 3 – Hazards Identification

**Overview:** Product is slightly viscous, clear-amber solution.

### Potential Health Effects:

**Eyes:** This product may cause irritation to the eyes after direct contact.

**Skin:** Exposure to skin is not likely to result in irritation or redness. There is no level of toxicity associated with the material being absorbed through the skin.

**Ingestion:** There is no level of toxicity associated with ingestion of this product. However, ingesting very large amounts may cause minor gastrointestinal distress (such as diarrhea, due to emulsification of grease and oil in the digestive tract).

## Section 4 – First-aid measures

**Eyes:** In case of direct contact with eyes, rinse with water if irritation occurs

**Skin:** If desired wash after handling, but no level of toxicity is associated with the material being absorbed through the skin.

**Ingestion:** There is no known level of toxicity associated with ingestion of this product. (See above, Section #3)

**Inhalation:** There is no level of toxicity associated with the material being inhaled. If desired, remove to fresh air.

## Section 5 – Fire fighting measures

Flash Point:	Not established, but>200F
Method Use:	Not available
Upper Flammable Limit (UFL):	Not applicable
Lower Flammable Limit (LFL):	Not applicable
Auto Ignition:	Not applicable

**Flammability Classification:** Non-flammable  
**Rate of Burning:** Not applicable

**General Fire Hazards:** This product is an aqueous mixture that will not burn. Hazardous Combustion Products: Upon decomposition, this product emits carbon dioxide.

**Extinguishing Media:** Use extinguishing media appropriate to surrounding fire conditions.

**NFPA Ratings:** Health: 0 Fire: 0 Reactivity: 0 Other: 0  
**HMIS Ratings:** Health: 0 Fire: 0 Reactivity: 0 Other: 0  
**Personal Protection:** None

## Section 6 – Accidental release measures

**Containment Procedures:** None necessary

**Clean-up Procedures:** Rinse area with water. Dispose of material in accordance with local regulations.

**Evacuation Procedures:** Not necessary

**Special Instructions:** Surfaces may become slippery after spillage.

## Section 7 – Handling and storage

**Procedures for Handling:** No special precautions required.

**Recommended Storage Methods:** N/A

## Section 8 – Exposure controls/personal protection

### Exposure Guidelines:

**A. General Product Information**  
None required.

**B. Component exposure limits**  
No ACGIH, NIOSH or OSHA exposure guidelines listed for this product's components.

**Engineering control:** Use general ventilation.

### Personal Protective Gear:

**Eye/Face:** None required for normal usage

**Skin:** None required.

**Respiratory:** None required.

**General:** None required.

## Section 9 – Physical & Chemical properties

<b>Appearance:</b>	Clear Amber
<b>Physical State:</b>	Slightly Viscous Liquid
<b>Vapor Pressure:</b>	Not available
<b>Boiling Point:</b>	213 Degrees F @ 760 mm Hg
<b>Melting Point:</b>	Not applicable
<b>Specific Gravity:</b>	1.1119(water=1)
<b>Softening Point:</b>	Not applicable
<b>Viscosity:</b>	Not available
<b>Percent Volatile:</b>	Not applicable
<b>Oder:</b>	None
<b>Ph:</b>	9.2 to 9.8
<b>Vapor Density:</b>	Not available
<b>Freezing Point:</b>	29 Degrees F
<b>Solubility (H<sub>2</sub>O):</b>	Complete
<b>Particle Size:</b>	2 to 4 nanometers
<b>Evaporation Rate:</b>	Not applicable
<b>Bulk Density:</b>	Not applicable
<b>Molecular Weight:</b>	Mixture
<b>Additional Properties:</b>	No additional properties available

## Material Safety Data Sheet

### Formula 080-DD-101

#### Section 10 –

##### Chemical Stability & Reactivity Information

**Chemical Stability:** Stable.  
**Conditions to Avoid:** None documented.  
**Incompatibility:** None documented.  
**Hazardous Decomposition Products:** Upon decomposition, this product emits carbon dioxide.  
**Hazardous Polymerization:** Will not Occur

#### Section 11 – Toxicological Information

##### Acute Toxicity/Target Organ Information

**A. General Product/Component Information**  
No irritation or toxicity associated with this product.  
**B. GHS-category 5 or unclassified**  
No toxicity associated with this product.

##### Epidemiology: No Information available

##### Carcinogenicity:

**A. General Product/Component Information**  
None Identified

##### B. Component Carcinogenicity Listings

**None of this product's components are listed by ACGIH, IARC, NIOSH, NTP, or OSHA.**

##### Neurotoxicity: None

##### Mutagenicity: None

##### Other Information: None available

#### Section 12 – Ecological Information

**Ecotoxicity:** There is no known ecotoxicity associated with this product.

**Environmental Fate:** This product is readily biodegradable.

#### Section 13 – Disposal considerations

##### US EPA Waste Number & Description

**A. General Product Information:** Not listed by the EPA as a hazardous waste.

**B. Component Waste Number:** No EPA Waste Number are applicable for this product's components.

**Disposal Instructions:** Clean spill area and dispose of waste in accordance with all applicable federal, state and local regulations.

#### Section 14 – Transportation Information

##### DOT Information

**Shipping Name:** Non-regulated  
**Hazard Class:** NA  
**UN/NA:** NA  
**Packing Group:** NA  
**Label(s) Required:** None  
**Additional shipping:** None  
**Information:** None  
**International Transportation Regulations:** NA  
**Not restricted or not regulated as per IATA**

#### Section 15 – Regulatory Information

##### US Federal Regulations

**A. General Product Information**

No information available

**B. Component Information**

None of this product's components are listed under SARA section 302/40CFR appendix A), SARA Section 313(40CFR 372.65) or CERCLA (40CFR 302.4).

All of this product's components are on the EPA's TSCA Inventory.

All of this product's components are on the FDA's GRAS list

##### State Regulations

**A. General Product Information**

No information available

**B. Component Information N/A**

Other Regulations

##### Local Regulations

**A. General Product Information**

No information available

**B. Component Information N/A**

Other Regulations

#### Section 16 – Other Information

##### Other Information:

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representation and assumes no liability for any direct, incidental or consequential damages resulting from, its use. The above sets forth technical data supplied to the manufacturer has been edited to avoid disclosure of proprietary information and avoid redundancy. All inquiries concerning the content of this document should be directed to the Distributor or Manufacturer.

##### Key/Legend

Y=Yes; N=No;

EPA=Environmental Protection Agency;

TSCA=Toxic Substance Control Act;

ACGIH=American Conference of Governmental Industrial Hygienists;

FDA=Food and Drug Administration;

GRAS=Generally Regarded As Safe,

IARC=International Agency for Research Cancer;

NIOSH=National Institute for Occupational Safety and Health;

NTP=National Toxicology Program;

OSHA=Occupational Health and Safety Administration;

NA= Not available or applicable;

g=grams; ml=milliliter;

C=Celsius; F=Fahrenheit;

DOT=Department of Transportation;

GHS=Global Harmonized classification

IATA=The International Air Transport Association

**MSDS updated: 29/10/16**