



## Safety Data Sheet



Revision Number: 003.6

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### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	<b>DW 61</b>	<b>DLP55G</b>	<b>IDH number:</b>	594820
<b>Product type/use:</b>	Cleaners for Aeroplanes			
<b>Restriction of Use:</b>	None identified			<b>Region:</b> United States
<b>Company address:</b>	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067			<b>Contact information:</b> Telephone: +1 (860) 571-5100 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**DANGER:** MAY BE CORROSIVE TO METALS.  
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
HARMFUL IF INHALED.  
MAY CAUSE CANCER.

HAZARD CLASS	HAZARD CATEGORY
CORROSIVE TO METALS	1
ACUTE TOXICITY INHALATION	4
SKIN CORROSION	1A
SERIOUS EYE DAMAGE	1
CARCINOGENICITY	1A

#### PICTOGRAM(S)



#### Precautionary Statements

<b>Prevention:</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep only in original packaging. Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, clothing, eye and face protection.
<b>Response:</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.
<b>Storage:</b>	Store locked up. Store in corrosive resistant container with a resistant inner liner.
<b>Disposal:</b>	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
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Nitric acid	7697-37-2	10 - 30
Sulfuric acid	7664-93-9	10 - 30
Phosphoric acid	7664-38-2	10 - 30

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.
<b>Skin contact:</b>	Remove contaminated clothing and footwear. For skin contact, flush with large amounts of water. Seek immediate medical attention.
<b>Eye contact:</b>	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
<b>Ingestion:</b>	Get immediate medical attention. DO NOT induce vomiting unless directed to do so by medical personnel. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.
<b>Symptoms:</b>	See Section 11.
<b>Notes to physician:</b>	If cyanosis is severe, intravenous injection of methylene blue, 1 mg/kg body weight, may be of value. If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

#### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Use media appropriate for surrounding material.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	This product is an aqueous mixture which will not burn.
<b>Hazardous combustion products:</b>	Irritating and toxic gases or fumes may be released during a fire.

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Wear appropriate personal protective equipment. Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing mists or aerosols of this product. Do not take internally. For industrial use only. Use caution when combining with water; DO NOT add water to acid, ALWAYS add acid to water while stirring to prevent release of heat, steam and fumes.
<b>Storage:</b>	Not available.



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Nitric acid	2 ppm TWA 4 ppm STEL	2 ppm (5 mg/m <sup>3</sup> ) PEL	None	None
Sulfuric acid	0.2 mg/m <sup>3</sup> TWA Thoracic fraction.	1 mg/m <sup>3</sup> PEL	None	None
Phosphoric acid	3 mg/m <sup>3</sup> STEL 1 mg/m <sup>3</sup> TWA	1 mg/m <sup>3</sup> PEL	None	None

<b>Engineering controls:</b>	Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.
<b>Respiratory protection:</b>	If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
<b>Eye/face protection:</b>	Wear chemical goggles; face shield (if splashing is possible).
<b>Skin protection:</b>	Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Pale yellow
<b>Odor:</b>	Acidic
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	< 2
<b>Vapor pressure:</b>	Not determined
<b>Boiling point/range:</b>	> 100 °C (> 212°F)calculated
<b>Melting point/ range:</b>	Not determined
<b>Specific gravity:</b>	1.48 - 1.52
<b>Vapor density:</b>	Not determined
<b>Flash point:</b>	Not applicable
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Autoignition temperature:</b>	Not applicable
<b>Flammability:</b>	Not applicable
<b>Evaporation rate:</b>	Not available.
<b>Solubility in water:</b>	Complete
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>VOC content:</b>	Not applicable
<b>Viscosity:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions.
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Upon decomposition, product emits acrid dense smoke with carbon dioxide, carbon monoxide, trace oxides of nitrogen and sulfur, and water. May liberate hydrogen fluoride.
<b>Incompatible materials:</b>	This product may react with strong alkalis. Adding water to this product may cause localized overheating and splattering. Keep away from organic and combustible materials.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

<b>Relevant routes of exposure:</b>	Skin, Inhalation, Eyes
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**Potential Health Effects/Symptoms**

**Inhalation:** Mists, vapors or liquid may cause severe irritation or burns. Harmful if inhaled; may cause delayed lung damage.

**Skin contact:** Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.

**Eye contact:** This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.

**Ingestion:** This product may produce corrosive damage to the gastrointestinal tract if it is swallowed. This product may cause methemoglobinemia characterized by a reduction in oxygen carrying capacity of the blood with symptoms including headache, dizziness, flushed face, fatigue, nausea, vomiting, drowsiness, stupor, tremors, uneven heart action, coma and rarely death.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Nitric acid	None	Irritant, Corrosive, Lung, Teeth
Sulfuric acid	None	Carcinogen, Corrosive, Irritant
Phosphoric acid	Oral LD50 (Rat) = 1,530 mg/kg Dermal LD50 (Rabbit) = 2,740 mg/kg	Irritant, Corrosive

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Nitric acid	No	No	No
Sulfuric acid	Known To Be Human Carcinogen.	Group 1	No
Phosphoric acid	No	No	No

**12. ECOLOGICAL INFORMATION**

**Ecological information:** Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

**13. DISPOSAL CONSIDERATIONS**

Information provided is for unused product only.

**Recommended method of disposal:** This product, if discarded directly, would be a characteristic RCRA corrosive waste (D002).

**Hazardous waste number:** Not available.

**14. TRANSPORT INFORMATION**

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

**U.S. Department of Transportation Ground (49 CFR)**

**Proper shipping name:** Corrosive liquid, acidic, inorganic, n.o.s. (Nitric acid, Sulfuric acid)  
**Hazard class or division:** 8  
**Identification number:** UN 3264  
**Packing group:** I  
**DOT Hazardous Substance(s):** Nitric acid, Sulfuric acid

**International Air Transportation (ICAO/IATA)**

**Proper shipping name:** Corrosive liquid, acidic, inorganic, n.o.s. (Nitric acid, Sulphuric acid)  
**Hazard class or division:** 8  
**Identification number:** UN 3264  
**Packing group:** I

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Nitric acid, Sulphuric acid)  
**Hazard class or division:** 8  
**Identification number:** UN 3264  
**Packing group:** I



## 15. REGULATORY INFORMATION

### United States Regulatory Information

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.
<b>TSCA 12 (b) Export Notification:</b>	None above reporting de minimisNone above reporting de minimis
<b>CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA Section 313:</b>	Nitric acid (CAS# 7697-37-2). Sulfuric acid (CAS# 7664-93-9). Immediate Health, Delayed Health, Reactive This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Nitric acid (CAS# 7697-37-2). Sulfuric acid (CAS# 7664-93-9).
<b>CERCLA Reportable quantity:</b>	Nitric acid (CAS# 7697-37-2) 1,000 lbs. (454 kg) Sulfuric acid (CAS# 7664-93-9) 1,000 lbs. (454 kg) Phosphoric acid (CAS# 7664-38-2) 5,000 lbs. (2,270 kg)
<b>California Proposition 65:</b>	This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

### Canada Regulatory Information

<b>CEPA DSL/NDSL Status:</b>	Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.
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## 16. OTHER INFORMATION

**This safety data sheet contains changes from the previous version in sections:** This Safety Data Sheet contains changes from the previous version in Section(s): 2

**Prepared by:** Product Safety and Regulatory Affairs

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