

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**DV-6058G**

Revision date: 02/24/2021

Product code: DAC1558

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**1. Identification****Product identifier**

DV-6058G

**Further trade names**

DV-6058G

**Recommended use of the chemical and restrictions on use****Use of the substance/mixture**

Polishing agent  
Reserved for industrial and professional use.

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

Company name: DAC Technologies North America  
Street: 3630 W. Miller Road, Suite 350  
Place: USA-75041 Garland, Texas  
Telephone: +1 972 677 2700  
e-mail: cs.na@dactechnologies.com  
Internet: www.dactechnologies.com

**Emergency phone number:**

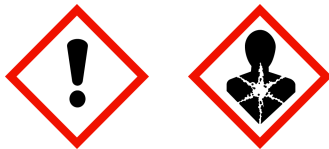
EMERGENCY PHONE: CHEMTREC 24 hrs. USA: 1 (800) 424-9300 Outside  
USA: +1 (703) 527-3887

**2. Hazard(s) identification****Classification of the chemical****29 CFR Part 1910.1200**

Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2B  
Carcinogenicity: Carc. 1A

**Label elements****29 CFR Part 1910.1200**

**Signal word:** Danger

**Pictograms:****Hazard statements**

Causes skin and eye irritation  
May cause cancer

**Precautionary statements**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wash hands thoroughly after handling.  
If exposed or concerned: Get medical advice/attention.  
If on skin: Wash with plenty of soap and water.  
Take off contaminated clothing and wash it before reuse.  
If skin irritation occurs: Get medical advice/attention.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
Store locked up.

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Dispose of contents/container in accordance with local/regional/national/international regulation.

**Hazards not otherwise classified**

No information available.

**3. Composition/information on ingredients**

**Mixtures**

**Chemical characterization**

Mixtures: metal oxides / hydroxide, Water

**Hazardous components**

| CAS No    | Components                                     | Quantity      |
|-----------|--|---------------|
| 1344-28-1 | Aluminium Oxide                                | 1-50 %        |
| 7784-27-2 | Nitric acid, aluminum salt,nonahydrate (3:1:9) | >=10-<=22 %   |
| 7732-18-5 | Water  | 5-95 %        |
| 57-55-6   | propane-1,2-diol                               | >=10-<=25 %   |
| -         | Proprietary 1                                  | Proprietary % |

**4. First-aid measures**

**Description of first aid measures**

**General information**

If unconscious but breathing normally, place in recovery position and seek medical advice.

**After inhalation**

Provide fresh air. Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. If breathing is irregular or stopped, administer artificial respiration. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

**After contact with eyes**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing.

**After ingestion**

Do NOT induce vomiting. Rinse mouth immediately and drink 1 glass of of water. Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person or a person with cramps.

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

No information available.

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

Treat symptomatically.

**5. Fire-fighting measures**

**Extinguishing media**

**Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

**Specific hazards arising from the chemical**

Non-flammable.

Hazardous decomposition products:

Carbon dioxide (CO2)

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Carbon monoxide  
Nitrogen oxides (NOx)  
metal oxides

**Special protective equipment and precautions for fire-fighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

**Additional information**

Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray/stream to protect personnel and to cool endangered containers.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**General measures**

Provide adequate ventilation. Do not breathe gas/fume/vapor/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**Environmental precautions**

Do not allow to enter into surface water or drains.

**Methods and material for containment and cleaning up**

**Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**Reference to other sections**

Safe handling: see section 7  
Personal protection equipment (PPE): see section 8  
Disposal: see section 13

**7. Handling and storage**

**Precautions for safe handling**

**Advice on safe handling**

Use only in well-ventilated areas. Use personal protection equipment. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work. Wash hands before breaks and after work.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place. Only allow access to authorised staff.

**Hints on joint storage**

No special measures are necessary.

**8. Exposure controls/personal protection**

**Control parameters**

**Exposure limits**

| CAS No.   | Substance                         | ppm | mg/m <sup>3</sup> | f/cc | Category  | Origin |
|-----------|-----------------------------------|-----|-------------------|------|-----------|--------|
| 1344-28-1 | alpha-Alumina Respirable fraction | -   | 5                 |      | TWA (8 h) | PEL    |

**Exposure controls**

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**Protective and hygiene measures**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

**Eye/face protection**

Suitable eye protection: goggles.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Use of protective clothing.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

|                 |          |                |
|-----------------|----------|----------------|
| Physical state: | Liquid   |                |
| Color:          | white    |                |
| Odor:           | odorless |                |
| pH-Value:       |          | not determined |

**Changes in the physical state**

|   |                |
|---|----------------|
| Melting point/freezing point:                             | not determined |
| Boiling point or initial boiling point and boiling range: | not determined |
| Flash point:  | not determined |

**Flammability**

|               |                |
|---------------|----------------|
| Solid/liquid: | not applicable |
| Gas:          | not applicable |

**Explosive properties**

The product is not: Explosive.

|                         |                |
|-------------------------|----------------|
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |

**Self-ignition temperature**

|        |                |
|--------|----------------|
| Solid: | not applicable |
| Gas:   | not applicable |

|                            |                |
|----------------------------|----------------|
| Decomposition temperature: | not determined |
|----------------------------|----------------|

**Oxidizing properties**

The product is not: oxidising.

|                 |                |
|-----------------|----------------|
| Vapor pressure: | not determined |
| Density:        | not determined |

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Water solubility: not determined  
**Solubility in other solvents**  
 not determined  
 Partition coefficient n-octanol/water: not determined  
 Relative vapour density: not determined  
 Evaporation rate: not determined  
 Solvent content: 1.08 lbs/gal (130 g/l)

**Other information**

Solid content: not determined

**10. Stability and reactivity**

**Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Chemical stability**

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

This material is considered to be non-reactive under normal use conditions.

**Conditions to avoid**

Cold, Heat

**Incompatible materials**

Strong alkali; strong

**Hazardous decomposition products**

Carbon dioxide (CO<sub>2</sub>)  
 Carbon monoxide  
 Nitrogen oxides (NO<sub>x</sub>)  
 metal oxides

**11. Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix calculated**

ATE (oral) 1200,0 mg/kg

| CAS No    | Components                                      |                  |         |        |        |
|-----------|---|------------------|---------|--------|--------|
|           | Exposure route                                  | Dose             | Species | Source | Method |
| 7784-27-2 | Nitric acid, aluminum salt, nonahydrate (3:1:9) |                  |         |        |        |
|           | oral  | LD50 264 mg/kg   | Rat     |        |        |
| 57-55-6   | propane-1,2-diol                                |                  |         |        |        |
|           | oral  | LD50 20000 mg/kg | Rat     |        |        |
|           | dermal  | LD50 20800 mg/kg | Rabbit  |        |        |

**Irritation and corrosivity**

Causes skin irritation  
 Causes eye irritation

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**Sensitizing effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

May cause cancer (Proprietary 1)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - single exposure**

Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Additional information on tests**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

**12. Ecological information****Ecotoxicity**

The product is not: Ecotoxic.

**Persistence and degradability**

The product has not been tested.

**Bioaccumulative potential**

The product has not been tested.

**Mobility in soil**

The product has not been tested.

**Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**13. Disposal considerations****Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**14. Transport information****US DOT 49 CFR 172.101****Proper shipping name:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)****UN number:**

No dangerous good in sense of this transport regulation.

**UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**Packing group:**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

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|                                    |  |
|------------------------------------|--|
| <b>UN number:</b>                  | No dangerous good in sense of this transport regulation. |
| <b>UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>Packing group:</b>              | No dangerous good in sense of this transport regulation. |

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**Special precautions for user**

No dangerous good in sense of this transport regulation.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No dangerous good in sense of this transport regulation.

**15. Regulatory information****U.S. Regulations****National regulatory information**

SARA Section 311/312 Hazards:

Nitric acid, aluminum salt, nonahydrate (3:1:9) (7784-27-2): Immediate (acute) health hazard

propane-1,2-diol (57-55-6): Immediate (acute) health hazard

Proprietary 1 (-): Delayed (chronic) health hazard

SARA Section 313 Toxic release inventory:

Aluminum oxide (fibrous forms) (1344-28-1): De minimis limit = 1.0 %, Reportable threshold = Standard

**State Regulations****Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**Additional information**

TSCA 8b: All components of the product are publicly listed or excluded.

**16. Other information****Changes**

Revision date: 02/24/2021

Revision No: 1,1,0

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,7,8,9,10,11,13,15.

**Abbreviations and acronyms**ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

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ATE: Acute toxicity estimate  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

**Other data**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*