

**Material Safety Data Sheet****1. MATERIAL AND COMPANY IDENTIFICATION**

**Material Name** : Rain-X X-treme Clean  
**Uses** : Glass & Plastic Cleaner

**Manufacturer/Supplier** : ITW Global Brands  
6925 Portwest Dr., Suite 100  
Houston, TX. 77024-8042  
USA

**MSDS Request** : 1-855-888-1988

**Emergency Telephone Number**  
**Spill Information** : (CHEMTREC) 1-800-424-9300, Local: 1-703-527-3887  
**Health Information** : (RMPDC) 1-877-504-9352

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Identity	CAS No.	Concentration
Aluminium Oxide	1344-28-1	10.00 - 30.00 %

A water based blend of surfactants and additives.

**3. HAZARDS IDENTIFICATION**

<b>Emergency Overview</b>	
<b>Appearance and Odour</b>	: Opaque white. Liquid. Mild.
<b>Health Hazards</b>	: Irritating to skin. Irritating to eyes.
<b>Environmental Hazards</b>	: Not classified as dangerous under EC criteria.

**Health Hazards**

**Inhalation** : Under normal conditions of use, this is not expected to be a primary route of exposure.

**Skin Contact** : Irritating to skin.

**Eye Contact** : Irritating to eyes.

**Ingestion** : Under normal conditions of use, this is not expected to be a primary route of exposure.

**Signs and Symptoms** : Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters. Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision.

**Aggravated Medical Condition** : Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Eyes. Skin.

**Environmental Hazards** : No specific hazards under normal use conditions.

**Additional Information** : Under normal conditions of use or in a foreseeable emergency, this product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication

**Material Safety Data Sheet**

Standard, 29 CFR 1910.1200.

**4. FIRST AID MEASURES**

- General Information** : Keep victim calm. Obtain medical treatment immediately.
- Inhalation** : No treatment necessary under normal conditions of use.
- Skin Contact** : No treatment necessary under normal conditions of use.
- Eye Contact** : Immediately flush eyes with large amounts of water for at least 30 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.
- Ingestion** : In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.
- Advice to Physician** : Consult a Poison Control Centre for guidance. Treat symptomatically.

**5. FIRE FIGHTING MEASURES**

- Flash point** : Not applicable.
- Upper / lower Flammability or Explosion limits** : Data not available
- Specific Hazards** : Will not burn or support combustion.
- Suitable Extinguishing Media** : Not applicable.

**6. ACCIDENTAL RELEASE MEASURES**

- Protective measures** : Not applicable. No specific measures.
- Clean Up Methods** : Not applicable.
- Additional Advice** : Observe all relevant local and international regulations.

**7. HANDLING AND STORAGE**

- Handling** : No specific measures.
- Storage** : No special storage requirements.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

Material	Source	Type	ppm	mg/m3	Notation
Aluminium Oxide	ACGIH	TWA		10 mg/m3	The value is for particulate matter containing no asbestos and <1% crystalline silica.
Aluminium Oxide	OSHA Z1	PEL(Respirable fraction.)		5 mg/m3	

**Material Safety Data Sheet**

Aluminium Oxide	OSHA Z1	PEL(Total dust.)		15 mg/m3	
Aluminium Oxide	OSHA Z1A	TWA(Respirable fraction.)		5 mg/m3	
Aluminium Oxide	OSHA Z1A	TWA(Total dust.)		10 mg/m3	

- Additional Information** : Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.
- Exposure Controls** : Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.
- Personal Protective Equipment** : Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
- Respiratory Protection** : No respiratory protection is ordinarily required under normal conditions of use.
- Hand Protection** : PVC, neoprene or nitrile rubber gloves.
- Eye Protection** : Chemical splash goggles (chemical monogoggles).

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : Opaque white. Liquid.
- Odour : Mild.
- pH : 7.1 - 7.5
- Initial Boiling Point and Boiling Range : 100 °C / 212 °F
- Freezing Point : Data not available
- Flash point : Not applicable.
- Upper / lower Flammability or Explosion limits : Data not available
- Vapour pressure : Data not available
- Specific gravity : 9.25 (ASTM D-4052)
- Density : 1.11 g/cm3
- Water solubility : Miscible.
- n-octanol/water partition coefficient (log Pow) : Data not available
- Vapour density (air=1) : Data not available
- Volatility : 76 % vol
- Volatile organic carbon content : < 0.6 % vol
- Viscosity : 14000 - 22000 centiPoise
- Evaporation rate (nBuAc=1) : Data not available

**10. STABILITY AND REACTIVITY**

- Stability** : Stable under normal conditions of use.
- Conditions to Avoid** : Not applicable.
- Materials to Avoid** : Not applicable.

**Material Safety Data Sheet**

**Hazardous Decomposition Products** : None expected under normal use conditions.  
**Hazardous Polymerisation** : No  
**Sensitivity to Mechanical Impact** : No  
**Sensitivity to Static Discharge** : Data not available

**11. TOXICOLOGICAL INFORMATION**

**Basis for Assessment** : Information given is based on data from components.  
**Acute Oral Toxicity** : Expected to be of low toxicity: LD50 >2000 mg/kg , Rat  
**Acute Dermal Toxicity** : Expected to be of low toxicity: LD50 >2000 mg/kg , Rabbit  
**Acute Inhalation Toxicity** : Expected to be of low toxicity: LC50 >20 mg/l Rat  
**Skin Irritation** : Irritating to skin.  
**Eye Irritation** : Irritating to eyes.  
**Respiratory Irritation** : Not expected to be a respiratory irritant.  
**Sensitisation** : Not a skin sensitiser.  
**Mutagenicity** : No evidence of mutagenic activity.  
**Carcinogenicity** : Not a carcinogen.

<b>Material</b>	: <b>Carcinogenicity Classification</b>
Aluminium Oxide	: ACGIH Group A4: Not classifiable as a human carcinogen.

**Reproductive and Developmental Toxicity** : Not a developmental toxicant.

**12. ECOLOGICAL INFORMATION**

Ecotoxicological data have not been determined specifically for this product.

**Acute Toxicity** : Data not available  
**Mobility** : Disperses in water.  
**Persistence/degradability** : Data not available  
**Bioaccumulation** : Data not available  
**Other Adverse Effects** : Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

**13. DISPOSAL CONSIDERATIONS**

**Material Disposal** : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.  
**Local Legislation** : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

**Material Safety Data Sheet**

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**14. TRANSPORT INFORMATION**

**US Department of Transportation Classification (49CFR)**

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

**IMDG**

This material is not classified as dangerous under IMDG regulations.

**IATA (Country variations may apply)**

This material is not classified as dangerous under IATA regulations.

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**15. REGULATORY INFORMATION**

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**Federal Regulatory Status**

**Notification Status**

DSL	All components listed.
TSCA	All components listed.
EINECS	All components listed.

**Comprehensive Environmental Release, Compensation & Liability Act (CERCLA)**

Rain-X X-treme Clean ()	Reportable quantity: 65789 lbs
Sodium dodecylbenzene sulphonate (25155-30-0)	Reportable quantity: 1000 lbs

**Clean Water Act (CWA) Section 311**

Sodium dodecylbenzene sulphonate (25155-30-0)	Reportable quantity: 1000 lbs
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**SARA Toxic Release Inventory (TRI) (313)**

Aluminium Oxide (1344-28-1)	20.00%
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**State Regulatory Status**

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

**Material Safety Data Sheet**

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**New Jersey Right-To-Know Chemical List**

Aluminium Oxide (1344-28-1) Listed.

Sodium dodecylbenzene sulphonate (25155-30-0) Listed.

**Pennsylvania Right-To-Know Chemical List**

Aluminium Oxide (1344-28-1) Environmental hazard.  
Listed.

Sodium dodecylbenzene sulphonate (25155-30-0) Environmental hazard.  
Listed.

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**16. OTHER INFORMATION**

**MSDS Version Number** : 2.0

**MSDS Effective Date** : 09/01/2009

**MSDS Revisions** : A vertical bar (|) in the left margin indicates an amendment from the previous version.

**MSDS Regulation** : The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**MSDS Distribution** : The information in this document should be made available to all who may handle the product.

**Disclaimer** : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.