

**SAFETY DATA SHEET**

in accordance with 2015/830/EU (REACH, Annex II) 29 CFR 1910.1200, WHMIS 2015 and Safe Work Australia

**Revision date:** 7 January 2021

**Initial date of issue:** 12 July 2007

**SDS No.** 217-13

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

989 Release Compound

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Provides multiple releases with one application for sand core operations, investment casting, polyurethanes, epoxies, other plastics and rubber. Release Compound can be used with molds of aluminum, steel, etc., cast, compression or injection.

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

**Company:**

A.W. CHESTERTON COMPANY  
860 Salem Street  
Groveland, MA 01834-1507, USA  
Tel. +1 978-469-6446 Fax: +1 978-469-6785  
(Mon. - Fri. 8:30 - 5:00 PM EST)  
SDS requests: [www.chesterton.com](http://www.chesterton.com)  
E-mail (SDS questions): [ProductSDSs@chesterton.com](mailto:ProductSDSs@chesterton.com)  
E-mail: [customer.service@chesterton.com](mailto:customer.service@chesterton.com)

**Supplier:**

Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive,  
Unit 105, Burlington, Ontario L7L 4X8 – Tel. 905-335-5055  
EU: Chesterton International GmbH, Am Lenzenfleck 23,  
D85737 Ismaning, Germany – Tel. +49-89-996-5460

**1.4. Emergency telephone number**

24 hours per day, 7 days per week  
Call Infotrac: 1-800-535-5053  
Outside N. America: +1 352-323-3500 (collect)  
NSW Poisons Information Centre (Australia): 13 11 26

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / Safe Work Australia / GHS**

Serious eye damage, Category 1, H318

**2.1.2. Australian statement of hazardous nature**

Hazardous according to criteria of Safe Work Australia.

**2.1.3. Additional information**

For full text of H-statements: see SECTION 2.2.

**2.2. Label elements**

**Labelling according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / Safe Work Australia / GHS**

**Hazard pictograms:**



**Signal word:**

Danger

**Hazard statements:**

H318

Causes serious eye damage.

**Precautionary statements:** P280 Wear eye/face protection.  
 P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER or doctor.

**Supplemental information:** None

### 2.3. Other hazards

None known

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification
Alcohols, C12-14 secondary, ethoxylated	1-2	84133-50-6 617-534-0	NA	[Acute Tox. 5, H303, H313] Eye Dam. 1, H318 Skin Irrit. 2, H315 [Aquatic Acute 2, H401]

For full text of H-statements: see SECTION 16.

Any classification in brackets is a GHS building block that was not adopted by the EU, the US, Canada and Australia in their national implementations of GHS.

<sup>1</sup> Classified according to: • 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F)  
 • 1272/2008/EC, GHS, REACH  
 • WHMIS 2015  
 • Safe Work Australia

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

**Inhalation:** Remove to fresh air. If not breathing, administer artificial respiration. Contact physician.  
**Skin contact:** Wash skin with soap and water. Contact physician if irritation persists.  
**Eye contact:** Flush eyes for at least 15 minutes with large amounts of water. Contact physician immediately.  
**Ingestion:** Do not induce vomiting. If person is conscious, rinse mouth with water and give small quantities of water to drink. Contact physician.

**Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training. Avoid contact with the product while providing aid to the victim. See section 8.2.2 for recommendations on personal protective equipment.

### 4.2. Most important symptoms and effects, both acute and delayed

Severe eye irritant; may cause burns. Inhalation of mist may irritate the respiratory tract.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media:** Not combustible. Use extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media:** None known

### 5.2. Special hazards arising from the substance or mixture

None

### 5.3. Advice for firefighters

Recommend Firefighters wear self-contained breathing apparatus.

**Australian HAZCHEM Emergency Action Code:** 1 Z

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Utilize exposure controls and personal protection as specified in Section 8. Evacuate area. Provide adequate ventilation. Use caution - floor may be slippery where spill has occurred.

**6.2. Environmental Precautions**

No special requirements.

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

Contain spill to a small area. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

**6.4. Reference to other sections**

Refer to section 13 for disposal advice.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Avoid contact with eyes. Utilize exposure controls and personal protection as specified in Section 8.

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

Store in a cool, dry area.

**7.3. Specific end use(s)**

No special precautions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limit values**

Ingredients	OSHA PEL <sup>1</sup>		ACGIH TLV <sup>2</sup>		UK WEL <sup>3</sup>		AUSTRALIA ES <sup>4</sup>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Alcohols, C12-14 secondary, ethoxylated	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

<sup>1</sup> United States Occupational Health & Safety Administration permissible exposure limits

<sup>2</sup> American Conference of Governmental Industrial Hygienists threshold limit values

<sup>3</sup> EH40 Workplace exposure limits, Health & Safety Executive

<sup>4</sup> Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

**Biological limit values**

Not available

**Derived No Effect Level (DNEL) according to Regulation (EC) No 1907/2006:****Workers**

Not available

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No 1907/2006:**

Not available

**8.2. Exposure controls****8.2.1. Engineering measures**

No special requirements.

**8.2.2. Individual protection measures**

**Respiratory protection:** Not normally needed. If necessary, utilize an approved organic vapor respirator (e.g., EN filter type A/P).

**Protective gloves:** Chemical resistant gloves.

**Eye and face protection:** Safety glasses

**Other:** None

**8.2.3. Environmental exposure controls**

Refer to sections 6 and 12.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odour</b>	not applicable
<b>Colour</b>	white	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	100°C (212°F)	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point</b>	not determined	<b>% Aromatics by weight</b>	not determined
<b>% Volatile (by volume)</b>	82%	<b>pH</b>	8.5 - 9.0
<b>Flash point</b>	> 93°C (> 200°F)	<b>Relative density</b>	0.995 kg/l
<b>Method</b>	PM Closed Cup	<b>Weight per volume</b>	8.3 lbs/gal.
<b>Viscosity</b>	not determined	<b>Coefficient (water/oil)</b>	> 1
<b>Autoignition temperature</b>	not determined	<b>Vapour density (air=1)</b>	> 1
<b>Decomposition temperature</b>	not determined	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Upper/lower flammability or explosive limits</b>	not applicable	<b>Solubility in water</b>	miscible
<b>Flammability (solid, gas)</b>	not applicable	<b>Oxidising properties</b>	not applicable
<b>Explosive properties</b>	not applicable		

**9.2. Other information**

None

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Refer to sections 10.3 and 10.5.

**10.2. Chemical stability**

Stable

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under conditions of normal use.

**10.4. Conditions to avoid**

Extreme heat above 149°C (300°F).

**10.5. Incompatible materials**

Strong acids/bases and strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. Hazardous decomposition products**

Carbon Monoxide, Carbon Dioxide, NOx, Formaldehyde and other toxic fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

**Primary route of exposure under normal use:** Inhalation, skin and eye contact.

**Acute toxicity -**

**Oral:** Based on available data on components, the classification criteria are not met. ATE-mix > 5,000 mg/kg.

Substance	Test	Result
Alcohols, C12-14 secondary, ethoxylated	LD50, rat	> 3,000 mg/kg (read-across)

**Dermal:** Based on available data on components, the classification criteria are not met. ATE-mix > 5,000 mg/kg.

Substance	Test	Result
Alcohols, C12-14 secondary, ethoxylated	LD50, rabbit	> 2,000 mg/kg (read-across); cATpE = 2,500 mg/kg

**Inhalation:** Inhalation of mists or vapors formed at elevated temperatures may cause irritation to eyes and respiratory tract.

**Skin corrosion/irritation:** Prolonged or repeated skin contact may defat the skin and cause skin irritation.

**Serious eye damage/irritation:** Risk of serious damage to eyes.

**Respiratory or skin sensitisation:** No data available

**Germ cell mutagenicity:** Alcohols, C12-14 secondary, ethoxylated: expected to be non-mutagenic based on data from similar materials (in vitro test).

**Carcinogenicity:** This product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health Administration (OSHA) or the European Chemicals Agency (ECHA).

**Reproductive toxicity:** No data available

**STOT – single exposure:** Alcohols, C12-14 secondary, ethoxylated: not expected to cause toxicity, based on available data.

**STOT – repeated exposure:** Alcohols, C12-14 secondary, ethoxylated: based on available data, repeated exposures are not anticipated to cause significant adverse effects.

**Aspiration hazard:** Not classified as an aspiration toxicant.

**Other information:** None known

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

### 12.1. Toxicity

Not expected to be harmful to aquatic organisms.

### 12.2. Persistence and degradability

Alcohols, C12-14 secondary, ethoxylated: readily biodegradable (biodegradation > 60%, 28 days).

### 12.3. Bioaccumulative potential

Alcohols, C12-14 secondary, ethoxylated: Octanol/water partition coefficient (log Kow) = 3.3 - 4.4, estimated; bioconcentration factor (BCF) = 15 - 64 fish, estimated.

### 12.4. Mobility in soil

Liquid. Miscible in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9).

### 12.5. Results of PBT and vPvB assessment

Not available

### 12.6. Other adverse effects

None known

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Incinerate absorbed material. Liquids may be amenable for water treatment with absorption of organics after neutralization. Check local, state and national/federal regulations and comply with the most stringent requirement. This product is classified as a hazardous waste according to 2008/98/EC.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number or ID number

**ADG/ADR/RID/ADN/IMDG/ICAO:** NOT APPLICABLE

<b>TDG:</b>	NOT APPLICABLE
<b>US DOT:</b>	NOT APPLICABLE
<b>14.2. UN proper shipping name</b>	
<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	NON-HAZARDOUS, NON REGULATED
<b>TDG:</b>	NON-HAZARDOUS, NON REGULATED
<b>US DOT:</b>	NON-HAZARDOUS, NON REGULATED
<b>14.3. Transport hazard class(es)</b>	
<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	NOT APPLICABLE
<b>TDG:</b>	NOT APPLICABLE
<b>US DOT:</b>	NOT APPLICABLE
<b>14.4. Packing group</b>	
<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	NOT APPLICABLE
<b>TDG:</b>	NOT APPLICABLE
<b>US DOT:</b>	NOT APPLICABLE
<b>14.5. Environmental hazards</b>	
	NOT APPLICABLE
<b>14.6. Special precautions for user</b>	
	NOT APPLICABLE
<b>14.7. Maritime transport in bulk according to IMO instruments</b>	
	NOT APPLICABLE
<b>14.8. Other information</b>	
	NOT APPLICABLE

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU regulations**

**Authorisations under Title VII:** Not applicable

**Restrictions under Title VIII:** Not applicable

**Other EU regulations:** None

**15.1.2. National regulations****US EPA SARA TITLE III**

<b>312 Hazards:</b>	<b>313 Chemicals:</b>
Serious eye damage	None

**Other national regulations:** None

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: OTHER INFORMATION**

**Abbreviations and acronyms:** ADG: Australian Dangerous Goods Code  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE: Acute Toxicity Estimate  
 BCF: Bioconcentration Factor  
 cATpE: Converted Acute Toxicity point Estimate  
 CLP: Classification Labelling Packaging Regulation (1272/2008/EC)  
 ES: Exposure Standard  
 GHS: Globally Harmonized System  
 ICAO: International Civil Aviation Organization  
 IMDG: International Maritime Dangerous Goods  
 LC50: Lethal Concentration to 50 % of a test population  
 LD50: Lethal Dose to 50% of a test population  
 LOEL: Lowest Observed Effect Level  
 N/A: Not Applicable  
 NA: Not Available  
 NOEC: No Observed Effect Concentration  
 NOEL: No Observed Effect Level  
 OECD: Organization for Economic Co-operation and Development  
 PBT: Persistent, Bioaccumulative and Toxic substance  
 (Q)SAR: Quantitative Structure-Activity Relationship  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)  
 REL: Recommended Exposure Limit  
 RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  
 SDS: Safety Data Sheet  
 STEL: Short Term Exposure Limit  
 STOT RE: Specific Target Organ Toxicity, Repeated Exposure  
 STOT SE: Specific Target Organ Toxicity, Single Exposure  
 TDG: Transportation of Dangerous Goods (Canada)  
 TWA: Time Weighted Average  
 US DOT: United States Department of Transportation  
 vPvB: very Persistent and very Bioaccumulative substance  
 WEL: Workplace Exposure Limit  
 WHMIS: Workplace Hazardous Materials Information System  
 Other abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

**Key literature references and sources for data:** Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST)  
 Chemical Classification and Information Database (CCID)  
 European Chemicals Agency (ECHA) - Information on Chemicals  
 Hazardous Chemical Information System (HCIS)  
 National Institute of Technology and Evaluation (NITE)  
 Swedish Chemicals Agency (KEMI)  
 U.S. National Library of Medicine Toxicology Data Network (TOXNET)

**Procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 [CLP] / GHS:**

Classification	Classification procedure
Eye Dam. 1, H318	Calculation method

**Relevant H-statements:** H303: May be harmful if swallowed.  
 H313: May be harmful in contact with skin.  
 H315: Causes skin irritation.  
 H318: Causes serious eye damage.  
 H401: Toxic to aquatic life.

**Hazard pictogram names:** Corrosion

**Further information:** None

**Date of last revision:** 7 January 2021

**Changes to the SDS in this revision:** Complete change to represent new formulation.

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.