

SECTION 1. IDENTIFICATION

GHS product identifier Durall 5-15 (Part A)

Other means of identification Not available

Product type Solid

Identified uses Not available

Supplier's details CoorsTek
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Golden, CO 80401
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Emergency telephone number (with hours of operation) +1 303 271 7100
8:00 AM - 4:00 PM MST

SECTION 2. HAZARDS IDENTIFICATION

OSHA/HCS status While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture Not classified

GHS LABEL ELEMENTS

Signal word No signal word

Hazard statements No known significant effects or critical hazards

PRECAUTIONARY STATEMENTS

General Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention Not applicable

Response Not applicable

Storage Not applicable

Disposal Not applicable

Hazards not otherwise classified None known

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture Substance

Other means of identification Not available

CAS NUMBER/OTHER IDENTIFIERS

CAS number 25068-36-6

Product code Not available

INGREDIENT NAME	%	CAS NUMBER
Bisphenol A Epoxy Resin	60-100	25068-36-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES
**DESCRIPTION OF NECESSARY
FIRST AID MEASURES**

Eye contact Flush with plenty of water and get medical attention. Keep eye lids apart. Wash within 1 minute of contact for maximum results.

Inhalation In case of exposure to high concentration of vapor or mist, remove person to fresh air.

Skin contact Promptly wipe clean with paper or cloths and wash with soap and water. Remove contaminated clothing before reuse. Attention should be paid to hair, nose, and eyes.

Ingestion If large amounts are swallowed, induce vomiting. Seek medical attention. May cause burns to mouth and throat.

**MOST IMPORTANT SYMPTOMS/EFFECTS,
ACUTE AND DELAYED**
Potential acute health effects

Eye contact Mild or moderate irritation, possible minor temporary cornea injury

Inhalation No known significant effects or critical hazards

Skin contact No known significant effects or critical hazards

SECTION 4. FIRST AID MEASURES CONTINUED

Ingestion No known significant effects or critical hazards

Over exposure signs and symptoms

Eye contact No known significant effects or critical hazards

Inhalation May cause nasal irritation, central nervous system depression or lung injury.

Skin contact Not considered toxic. May cause skin irritation on prolonged or repeated exposure.

Ingestion No known significant effects or critical hazards

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

Notes to physician Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments No specific treatment

Protection of first aiders No action shall be taken involving any personal risk or without suitable training.

SECTION 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable extinguishing media In case of fire, use water spray (fog), foam, dry chemical, or CO₂.

Unsuitable extinguishing media None known

Specific hazards arising from the chemical No specific fire or explosion hazard

Hazardous thermal decomposition products No specific data

Special protective actions for firefighters No special protection is required

Special protective equipment for firefighters Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES

- For non-emergency personnel** No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For nonemergency personnel”.
- Environmental precautions** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

METHODS & MATERIALS FOR CONTAINMENT AND CLEANING UP

- Spill** Ventilate the area. Absorb spill with suitable absorbent material and place into a closed container. Prevent material from entering waterways. Wear protective equipment during cleanup. Use eye and skin protection. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

- Protective measures** Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**CONTROL PARAMETERS**

Occupational exposure limits	None
Appropriate engineering controls	Local exhaust and general ventilation is recommended.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure compliance with the requirements of environmental protection legislation.

INDIVIDUAL PROTECTION MEASURES

Hygiene measures Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shields when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

SKIN PROTECTION

Hand protection Nitrile gloves when handling material

Body protection Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt. An apron may be appropriate if splashing can occur.

Other skin protection Appropriate footwear and any additional skin protection measures should be selected based on the task being performed, and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection Use a properly fitted particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and the safe working limits of the selected respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE**

Physical state	Solid [Paste]
Color	White
Odor	Sweet
Odor threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	Not available
Flash point	Closed cup: <93.333°C (<200°F) [Setaflash]
Evaporation rate	> 1 (Butyl acetate = 1)
Flammability (solid, gas)	Not available
Lower and upper explosive (flammable) limits	Not available
Vapor pressure	Not available
Vapor density	> 1 [Air = 1]
Relative density	1.66
Solubility	Insoluble in the following materials: cold water and hot water
Partition coefficient: n- octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Volatility	0%

SECTION 10. STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Heat and warm storage
Incompatible materials	Strong oxidizers, acids, bases and epoxy hardeners under controlled conditions
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

Acute toxicity	There is no data available.
Irritation/corrosion	There is no data available.
Sensitization	There is no data available.
Carcinogenicity	There is no data available.
Specific target organ toxicity (single exposure)	There is no data available.
Specific target organ toxicity (repeated exposure)	There is no data available.
Aspiration hazard	There is no data available.
Information on the likely routes of exposure	Routes of entry anticipated: Oral, Dermal, Inhalation.

POTENTIAL ACUTE HEALTH EFFECTS

Eye contact	Mild or moderate irritation, possible minor temporary cornea injury
Inhalation	No known significant effects or critical hazards
Skin contact	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards

SECTION 11. TOXICOLOGICAL INFORMATION, CONTINUED

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS

- Eye contact** No known significant effects or critical hazards
- Inhalation** May cause nasal irritation, central nervous system depression or lung injury.
- Skin contact** Not considered toxic. May cause skin irritation on prolonged or repeated exposure.
- Ingestion** No known significant effects or critical hazards

DELAYED AND IMMEDIATE EFFECTS AND CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE

Short term exposure

- Potential immediate effects** No known significant effects or critical hazards
- Potential delayed effects** No known significant effects or critical hazards

Long term exposure

- Potential immediate effects** No known significant effects or critical hazards
- Potential delayed effects** No known significant effects or critical hazards

Potential chronic health effects

- General** No known significant effects or critical hazards
- Carcinogenicity** No known significant effects or critical hazards
- Mutagenicity** No known significant effects or critical hazards
- Teratogenicity** No known significant effects or critical hazards
- Developmental effects** No known significant effects or critical hazards
- Fertility effects** No known significant effects or critical hazards

NUMERICAL MEASURES OF TOXICITY

- Acute toxicity estimates** No data available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity No data available
Persistence and degradability No data available
Bioaccumulative potential No data available
MOBILITY IN SOIL
Soil/water partition coefficient (K_{oc}) Not available
Other adverse effects No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14. TRANSPORT INFORMATION

	DOT	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No	No	No
Additional information	-	-	-

AERG: Not applicable

Special precautions for user **Transport within users' premises:** Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available

SECTION 15. REGULATORY INFORMATION

U.S. Federal regulations TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) Not listed

Clean Air Act Section 602 Class I Substances Not listed

Clean Air Act Section 602 Class II Substances Not listed

DEA List I Chemicals (Precursor Chemicals) Not listed

DEA List II Chemicals (Essential Chemicals) Not listed

SARA 302/304 Composition/information on ingredients: no products were found

SARA 304 RQ Not applicable

SARA 311/312 Not applicable

SARA 313 No products were found

STATE REGULATIONS

Massachusetts This material is not listed.

New York This material is not listed.

New Jersey This material is not listed.

Pennsylvania This material is not listed.

California Prop. 65 No products were found.

SECTION 16. OTHER INFORMATION**HISTORY**

Date of issue mm/dd/yyyy 05/15/2015

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Prepared by KMK Regulatory Services Inc.

Key to abbreviations ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labeling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = Logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

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