

SAFETY DATA SHEET

Issue Date 21-May-2014 Revision Date 06-Feb-2015 Version 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name DISSOLVE

Other means of identification

Product Code 101 Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Non-Corrosive Lime Scale Remover.

Uses advised against No information available

Manufacturer Address

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

Emergency telephone number

Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 2A
Corrosive to metals	Category 1

Label elements

Emergency Overview

Warning

Hazard statements

Causes serious eye irritation
May be corrosive to metals



Appearance aqueous solution

Physical state liquid

Odor Mild

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling Wear eye/face protection
Keep only in original container

Precautionary Statements - Response

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 Absorb spillage to prevent material damage

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Precautionary Statements - Storage

Store in a corrosive resistant container.

Hazards not otherwise classified (HNOC)

Other Information

Unknown Acute Toxicity 20% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Eye contact Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete

rinsing. Get immediate medical attention.

Skin Contact Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention.

Remove contaminated clothing and wash before reuse.

Inhalation Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.

Ingestion Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate

medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing

or unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms Direct eye contact can cause pain and irritation. Repeated/prolonged skin contact can result

in irritation in sensitive individuals. If ingested in sufficient quantity, may cause

gastrointestinal disturbances including nausea and diarrhea.

Indication of any immediate medical attention and special treatment needed

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray (fog). Carbon dioxide (CO2). Dry chemical.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate nonessential personnel. Ventilate area. Wear appropriate personal protection

equipment.

Environmental precautions See Section 12 for additional ecological information.

Methods for containment Absorb with earth, sand or other non-combustible material and transfer to containers for

later disposal.

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Methods for cleaning up

After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wear appropriate

protective clothing/equipment. Do not breathe dust. Use with adequate ventilation. Do not

ingest.

Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry and cool place. Keep out of the reach of children. **Storage Conditions**

Incompatible materials Oxidizing agents. Chlorinated compounds. Bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Appropriate engineering controls

Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Eye protection is recommended.

Natural rubber, neoprene or nitrile gloves should be worn. Skin and body protection

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state liauid

Appearance aqueous solution Odor Mild

Clear, green liquid No information available Color Odor threshold

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1% Solution

Property Values Remarks • Method

pH 2.1

Melting point/freezing point Boiling point / boiling range
Flash point Evaporation rate
Flammability (solid, gas)

2.1

No information available
No information available
No information available

Flammability Limit in Air

Upper flammability limit:No information availableLower flammability limit:No information availableVapor pressureNo information availableVapor densityNo information available

Specific Gravity 1.044

Water solubility No information available Solubility in other solvents No information available No information available Partition coefficient **Autoignition temperature** No information available **Decomposition temperature** No information available Kinematic viscosity No information available **Dvnamic viscosity** No information available **Explosive properties** No information available **Oxidizing properties** No information available

Other Information

Softening point
Molecular weight
VOC Content (%)
Density
No information available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Oxidizing agents. Chlorinated compounds. Bases.

Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx). Chlorine gas.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information No data available

Inhalation No data available.

Eye contact Irritating to eyes. Avoid contact with eyes.

Skin Contact Irritating to skin. Avoid contact with skin.

Ingestion No data available.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

SensitizationNo information available.Germ cell mutagenicityNo information available.CarcinogenicityNo information available.Reproductive toxicityNo information available.STOT - single exposureNo information available.STOT - repeated exposureNo information available.Aspiration hazardNo information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 20% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

20% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastesDisposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies Complies **DSL/NDSL EINECS/ELINCS** Complies Does not comply **ENCS** Complies **IECSC KECL** Complies **PICCS** Complies Complies **AICS**

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

NFPA Health hazards 1 Flammability 0 Instability 0 Physical and Chemical

Properties -

Health hazards 1 Flammability 0 Physical hazards 0 Personal protection X

Prepared By kcs

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Revision Note

No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet