

EXCEL-70

Date: January 22nd, 2018

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name EXCEL-70

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

Use(s): Agriculture

1.3 Details of the supplier of the safety data sheet

Company KEYSTONE SPECIALTY CHEMICAL LLC
120 Stryker Lane Unit 202A/B
Hillsborough, NJ 08844
Telephone number: (908) 829-3813

1.4 Emergency telephone

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC (800-424-9300 within the United States or 703-527-3887 for international collect calls).

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

HCS 2012 (29 CFR 1910.1200)

Skin corrosion/irritation Category 1A

Serious eye damage/irritation Category 1B

2.2 Label Elements

HCS 2012 (29 CFR 1910.1200)

Pictogram



Signal Word

DANGER!

Hazard Statements:

H314 Causes severe skin burns and eye damage.

Precautionary Statements

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapor/spray.

P264
 P270
 P280

 Wash thoroughly after handling.
 Do not eat, drink, or smoke when using this product.
 Wear eye protection, face protection, protective clothing, protective gloves.

Response

P301+P330+P331+P312

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call poison center or doctor/physician.

P302+P361+P363

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

P304+P340+P310

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call POISON CENTER/doctor.

P305+P351+P338+P310

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Storage

P404

Store in a closed container

Disposal

P501

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable, this product is a mixture.

3.2 Mixture

Synonyms

Proprietary blend

Hazardous Ingredients and Impurities

Component

CAS Reg. Number

% Wt/Wt

PROPRIETARY BLEND

100

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

4.1 Description of first-aid measures

General advice

Show this safety data sheet to the doctor in attendance.

First responder needs to protect himself.

Place affected apparel in a sealed bag for subsequent decontamination.

Eye contact

Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Call poison control center or doctor for treatment advice.

Skin contact

Immediately flush skin with water while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse.

Inhalation	Move person to fresh air, if not breathing call 911 and give artificial respiration. Call poison control center or doctor for treatment advice
Ingestion	If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed

Risk	Risk of: Serious damage to the eyes, skin burns.
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4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	All treatments should be based on observed signs of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. There is no specific antidote available.
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5. FIREFIGHTING MEASURES

Flash Point: >100 deg C (> 212 deg F)
 Method Used: Estimated.

5.1 Extinguishing Media

Suitable extinguishing media	Water spray. Carbon dioxide. Dry chemical.
Unsuitable extinguishing media	Water jet.

5.2 Special hazards arising from the substance of mixture

Specific hazards during fire fighting	Can be dangerous when exposed to extreme heat and flame. Do not breathe mist/vapors/spray.
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5.3 Advice for firefighters

Special protective equipment for firefighters	Assure self-contained breathing apparatus is worn. Fight fire from upwind. Prevent runoff if possible.
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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures	Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7, Handling, for additional precautionary measures. Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
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6.2 Environmental precautions

Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
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6.3 Methods and materials for containment and cleaning up

Prohibition	Stop the flow of material, if this is without risk. Collect and dispose of spillage as indicated in section 13. Prevent entry into waterways, sewers, basements, or confined areas.
Methods for containment	Stop the flow of material, if this is without risk. Collect and dispose of spillage as indicated in section 13. Prevent entry into waterways, sewers, basements, or confined areas.

Methods for cleaning up

Pick up spills with absorbent material and place in suitable properly labeled containers.

6.4 Reference to other sections

Reference to other sections

7. HANDLING AND STORAGE

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

13. DISPOSAL CONSIDERATIONS

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep out of reach of children. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place. Store in original container. Do not store near food, foodstuffs, drugs, or potable water supplies.

7.3 Specific end use(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Introductory Remarks:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

8.1 Control parameters

Occupational exposure limits: TLV: 5 mg/m³

8.2 Exposure controls

Control measures

Engineering measures

Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Personal protective equipment

Respiratory protection

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air purifying or positive pressure supplied air will depend on the specific operation and the potential airborne concentration of the material.

Hand protection

Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene, nitrile/butadiene rubber ("nitrile" or "NBR"), or polyvinyl chloride ("PVC" or "vinyl").

Eye protection

Use chemical goggles.

Skin and body protection

Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task. Safety shower should be located in immediate work area. Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothing before reuse or dispose of properly.

Hygiene measures

Observe good industrial hygiene practices. Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials:

- 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

Protective measures

Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

9.1 Information on basic physical and chemical properties

Appearance	Physical state: Liquid Color: Yellow to dark brown
Odor	Vinegar like.
Odor Threshold	No data available
pH	3 - 4 (1% in DI water)
Freezing point	1.67 deg C (35 deg F)
Boiling point/boiling range	> 100 deg C (> 212 deg F)
Flash point	> 100 deg C (> 212 deg F) Estimated. Non combustible.
Evaporation rate (butylacetate = 1)	No data available
Flammability/Explosive limit	No data available
Autoignition temperature	No data available
Vapor pressure	No data available
Vapor density	No data available
Density	1.01 - 1.03 g/mL
Solubility	Water solubility: Emulsifies in water
Partition coefficient: n-octanol/water	No data available
Thermal decomposition	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other Information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Chemical stability Stable at typical use temperatures.

10.3 Possibility of hazardous reactions

Polymerization Hazardous polymerization does not occur.

10.4 Conditions to avoid

Conditions to avoid Avoid highly alkaline conditions, extreme temperatures and open flames.

10.5 Incompatible materials

Reacts with: Strong oxidizers

10.6 Hazardous decomposition products

On combustion or on thermal decomposition (pyrolysis), releases: None known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Components	Test Results
Phosphatidylcholine, methylacetic acid, polyoxyethylene ether	Acute oral LD50 (rat): >5g/kg Acute dermal LD50 (rabbit): >5g/kg
Routes of exposure	Skin contact. Eye contact. Ingestion.
Acute effects	Severe skin burns. Severe eye damage. Harmful if inhaled.
Sensitization	No data available
Chronic effects	No data available
Carcinogenicity	No data available
Mutagenicity	Non-mutagenic for bacteria and/or yeast
Reproductive effects	No data available
Tetragenicity	No data available
Epidemiology	No data available
Skin corrosion/irritation	Causes severe skin burns
Serious eye damage/irritation	Causes severe eye damage
Specific target organ toxicity - single exposure	Not classified
Specific target organ toxicity - repeated exposure	Not classified
Not information	Not available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Components:	Test Results:
Phosphatidylcholine, methylacetic acid, polyoxyethylene ether	LC50 Algae: No data available EC50 Daphnia: 190 mg/L

LC50 Fish: 130 mg/L

12.2 Persistence and degradability

Not established

12.3 Bioaccumulative potential

Not established

12.4 Mobility in soil

Not available

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

Avoid release to open bodies of water.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods***Product Disposal*

Advice on Disposal

Dispose of in accordance with label instructions and all applicable regulations.

Contaminated packaging

Dispose of in accordance with applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT:

Not regulated.

TDG:

Not regulated.

IMDG

Not regulated.

NOM

No data available.

IATA

Not regulated.

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15. REGULATORY INFORMATION**15.1 Notification status**

United States TSCA Inventory

YES (positive listing)

On TSCA inventory.

Canadian Domestic Substances List (DSL)

YES (positive listing)

All components of this product are on the Canadian DSL.

15.2 Federal Regulations
US EPA EPCRA SARA Title III

SARA Hazard Designation Sections 311/312 (40 CFR 370)

Fire hazard	No
Reactivity Hazard	No
Sudden Release of Pressure Hazard	No
Acute Health Hazard	Yes
Chronic Health Hazard	No

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

16. OTHER INFORMATION
NFPA Classification

Health	2 moderate
Flammability	1 slight
Instability or Reactivity	0 minimal

HMS Classification

Health	2 serious
Flammability	1 slight
Reactivity	0 minimal

Further information

Date updated	02/12/2018
Further information	New product SDS

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
NTP	National Toxicology Program
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NFPA	National Fire Protection Association
HMS	Hazardous Materials Identification System (Paint & Coating)

Disclaimer:

The information provided in this safety data sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination

with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.