

SAFETY DATA SHEET

1. Identification

Product identifier	DISPARLON® 6700
Other means of identification	
Product code	941026
Recommended restrictions	None known.
Manufacturer	
Company name	Kusumoto Chemicals, Ltd.
Address	11-13, Uchikanda 1-chome, Chiyoda-ku, Tokyo, Japan
Telephone	+81-3-3292-8685
Fax	+81-3-3295-6079
Supplier name	King Industries, Inc.
Address	Science Road Norwalk, CT 06852 USA
Telephone	+1-203-866-5551
Fax	+1-203-866-1268
Emergency telephone number	For Chemical Emergency ONLY (spill, leak, fire, exposure or accident), 24 hour emergency telephone, call CHEMTREC at 1-800-424-9300 (US, Canada, Puerto Rico); 1-703-527-3887 (elsewhere).
Importer / Supplier	
Supplier	Univar Solutions Canada Ltd. 64 Arrow Road North York, ON M9M 2L9 Canada Telephone: 1-866-686-4827

2. Hazard identification

Physical hazards	Not classified.	
Health hazards	Sensitization, skin	Category 1
Environmental hazards	Hazardous to the aquatic environment, long-term hazard	Category 4

Label elements



Signal word	Warning
Hazard statement	May cause an allergic skin reaction. May cause long lasting harmful effects to aquatic life.
Precautionary statement	
Prevention	Avoid breathing dust. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves.
Response	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Storage	Not available.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental information	None.
Other hazards	None known.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
AMIDE M*		Proprietary*	55 - < 65
AMIDE N*		Proprietary*	35 - < 45

* HMIRA exemption granted 2022-10-28, registration number 11183. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Dusts may irritate the respiratory tract, skin and eyes. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Minimize dust generation and accumulation. Avoid the generation of dusts during clean-up. Collect dust using a vacuum cleaner equipped with HEPA filter. Prevent product from entering drains. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water.
Environmental precautions	Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. For waste disposal, see section 13 of the SDS. The product is insoluble in water. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. This product, being a poor conductor of electricity, can and will hold a static charge for long periods of time. A great deal of care should be exercised when handling this type of product in or around flammable and combustible liquids. Please refer to NFPA 77 and NFPA 69 publications for a more detailed discussion and recommended practices.

- Operators should be equipped with fire retardant personal protective equipment.
- Operators must be protected against exposure to hazardous vapors.
- All personnel handling the powder and all nearby conductive objects (equipment, piping, containers ...) should be properly grounded as described in NFPA 77.
- Avoid generation of dust and conditions that generate static electricity.
- All parts and equipment of the powder transfer operation should be conductive materials that are properly grounded.
- Certain precautions should be taken when a powder product is transferred from paper bag into equipment which may contain a flammable atmosphere.
- Avoid charging powder into open vessel containing flammable solvents.
- The preferred method is to inert the receiving vessel according to NFPA 69 (typically less than 6 % oxygen), and then add the powder from a hopper via a rotary valve or similar device into a CLOSED vessel that has already been inserted with nitrogen. The hopper should also be inerted with nitrogen so that nitrogen can be maintained in the receiving vessel.
- Add the powder slowly and in small quantities to allow for relaxation of any static build up.
- This product is a powder. Static charges on the powder may ignite flammable atmospheres. High levels of product dust in the atmosphere may present an explosion hazard. Take necessary action to avoid static electricity discharge (which may cause ignition of organic vapors).

Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles) meeting EN166 standard.

Skin protection

Hand protection

Wear impervious chemically resistant gloves conforming to EN 374 standard. Recommended: Protective index 6, corresponding > 480 minutes of permeation time; nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm).

Other

Not available.

Respiratory protection

Wear respirator with dust filter.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Powder.

Physical state

Solid.

Form

Powder.

Color

White

Odor

Characteristic

Odor threshold

Not available.

pH

Not available.

Melting point/freezing point

275 °F (135 °C)

Initial boiling point and boiling range

Not available.

Flash point

611.6 °F (322.0 °C) Cleveland Open Cup

Evaporation rate

Not available.

Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	0.2 g/m ³
Relative density temperature	68 °F (20 °C) (bulk)
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

Other information

Dust explosion properties

Pmax	8.5 bar (based on analogous product)
dP/dT	959 bar/s (based on analogous product)
Kst	260 bar.m/s (based on analogous product)
Minimum explosible concentration (MEC)	> 40 - < 50 g/m ³ (based on analogous product)
Minimum ignition energy (MIE) - dust cloud	> 10 - < 30 mJ (based on analogous product)

Explosive properties May form combustible dust concentrations in air.

Oxidizing properties Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Dust may irritate respiratory system.
Skin contact	Dust or powder may irritate the skin. May cause an allergic skin reaction.
Eye contact	Dust may irritate the eyes.
Ingestion	Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics Dusts may irritate the respiratory tract, skin and eyes. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
AMIDE M		
<u>Acute</u>		
Dermal		
LD50	Rat	> 2000 mg/kg

Components	Species	Test Results
Inhalation		
<i>Dust</i>		
LC50	Rat	> 5.08 mg/l
Oral		
LD50	Rat	> 2000 mg/kg
AMIDE N		
<u>Acute</u>		
Oral		
<i>Liquid</i>		
LD50	Rat	> 2000 mg/kg
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Corrosivity		
AMIDE M		Result: Non-corrosive
AMIDE N		Result: Non-corrosive
Irritation Corrosion - Skin		
AMIDE M		Result: Not irritating
AMIDE N		Result: Not irritating
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Eye		
AMIDE M		Result: Not irritating
AMIDE N		Result: Not irritating
Respiratory or skin sensitization		
Respiratory sensitization	Not available.	
Skin sensitization	May cause an allergic skin reaction.	
Sensitization		
AMIDE N		Result: Not a sensitizer
AMIDE M		Result: Skin sensitizer
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Germ cell mutagenicity: Ames test		
AMIDE M		Result: Negative
AMIDE N		Result: Negative
Germ cell mutagenicity: Chromosome Aberration		
AMIDE M		Result: Negative
AMIDE N		Result: Negative
Mutagenicity		
AMIDE M		Result: Negative
AMIDE N		Result: Negative
Carcinogenicity	Based on available data, the classification criteria are not met.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	

12. Ecological information

Ecotoxicity	May cause long lasting harmful effects to aquatic life.		
Components	Species		Test Results
AMIDE M			
Aquatic			
Acute			
Algae	EC50	Algae	>= 100 mg/l, 96 hr (nominal)
Fish	LC50	Fish	>= 100 mg/l, 96 hr (nominal)

Components	Species	Test Results
AMIDE N		
Aquatic		
<i>Acute</i>		
Algae	EC50 Pseudokirchnerella subcapitata	> 100 mg/l, 72 Hours
Persistence and degradability	Not Readily biodegradable	
Bioaccumulative potential	No data available.	
Mobility in soil	No data available.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

TDG	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

Canadian regulations	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.
Controlled Drugs and Substances Act	
	Not regulated.
Export Control List (CEPA 1999, Schedule 3)	
	Not listed.
Greenhouse Gases	
	Not listed.
Precursor Control Regulations	
	Not regulated.
International regulations	
Stockholm Convention	
	Not applicable.
Rotterdam Convention	
	Not applicable.
Kyoto protocol	
	Not applicable.
Montreal Protocol	
	Not applicable.
Basel Convention	
	Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

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List of abbreviations

EC: European Community.
CAS: Chemical Abstract Service.
REACH: Registration, Evaluation and Authorization of Chemicals.
SDS: Safety Data Sheet.
CEN: European Committee for Standardization (Comité Européen de Normalisation).
EN: European Norm.
LC50: Lethal Concentration 50%.
LD50: Lethal Dose 50%.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
NOEL: No Observed Effect Level.
OECD: Organization for Economic Cooperation and Development.
EC50: Effective Concentration 50%.
QSAR: Quantitative Structure Activity Relation.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures).
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route).
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).
IBC Code: International Bulk Chemical (Code) (International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk).
CLP: Classification, Labeling and Packaging.
EU: European Union.
UN: United Nations.
ECHA: European Chemical Agency.

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. 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.