GX902

Version 2.0

Revision Date 04/23/2015 Ref. 130000052632

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	GX902
Tradename/Synonym	:	GX902 Aqueous Solution Polymer Processing Aid
Product Use	:	Processing aid, For industrial use only.
Restrictions on use	:	Do not use in medical applications involving permanent implantation in the human body., See Section 16
Manufacturer/Supplier	:	DuPont 1007 Market Street Wilmington, DE 19898
Product Information	:	+1-800-441-7515 (outside the U.S. +1-302-774-1000)
Medical Emergency	:	1-800-441-3637 (outside the U.S. 1-302-774-1139)
Transport Emergency	:	CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

SECTION 2. HAZARDS IDENTIFICATION

Product hazard category

Serious eye damage/eye irritation	Category 1
Specific target organ toxicity - repeated exposure	Category 2

Label content

Pictogram :

Signal word : Danger

Hazardous warnings : Causes serious eye damage.
May cause damage to organs through prolonged or repeated exposure. (Blood, Liver)

Hazardous prevention measures : Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wear eye protection/ face protection.
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.
Dispose of contents/ container to an approved waste disposal plant.

Other hazards

No applicable data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.		
Perfluorinated aliphatic carboxylic acid, ammonium salt		70 %

SECTION 4. FIRST AID MEASURES

General advice	:	Never give anything by mouth to an unconscious person. Victim to lie down in the recovery position, cover and keep him warm.
Inhalation	:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin contact	:	Take off all contaminated clothing immediately. Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Eye contact	:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	:	If swallowed, DO NOT induce vomiting. If conscious, drink plenty of water. Call a physician.
Most important symptoms/effects, acute and delayed	:	Inhalation may provoke the following symptoms: Lung oedema Eye contact may provoke the following symptoms: Pain, tearing, swelling, redness, or temporary visual impairment.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection and use the recommended protective clothing
Notes to physician	:	Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Dry chemical, Carbon dioxide (CO2)
Unsuitable extinguishing media	:	No applicable data available.
Specific hazards	:	Hazardous gases/vapors produced are: Hydrogen fluoride potentially toxic fluorinated compounds

Special protective equipment for firefighters	:	Wear chemical resistant suit with hood and self-contained breathing apparatus. Wear neoprene gloves during cleaning up work after a fire.
Further information	:	Evacuate personnel and keep upwind of fire. Cool containers/tanks with water spray. Protect from hydrogen fluoride fumes which react with water to form hydrofluoric acid.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel)	:	Evacuate personnel to safe areas. Ventilate the area. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	:	Do not contaminate surface water. Do not let product enter drains. Do not discharge product into the aquatic environment without pretreatment (biological treatment plant). All flushing and clean-up residuals should be collected for proper disposal to prevent soil and surface, ground and sewer water contamination. Prevent further leakage or spillage.
Spill Cleanup	:	Soak up with sawdust, sand, oil dry or other absorbent material.
Accidental Release Measures	:	No applicable data available.

SECTION 7. HANDLING AND STORAGE

Handling (Personnel)	:	For personal protection see section 8. Avoid creating mist. Do not get in eyes, on skin, or on clothing. Do not breathe vapours or spray mist. Remove and wash contaminated clothing before re-use. Discard shoes or other leather clothing if contaminated. Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Do not contaminate tobacco products. Regular cleaning of equipment, work area and clothing.
Handling (Physical Aspects)	:	Thermal decomposition can lead to release of irritating gases and vapours.
Dust explosion class	:	No applicable data available.

Storage	:	Keep in a cool, well-ventilated place. Avoid excessive heat. No materials to be especially mentioned. Stable at normal ambient temperature and pressure.
Storage period	:	No applicable data available.
Storage temperature	:	No applicable data available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	:	Ensure adequate ventilation, especially in confined areas. Keep container tightly closed.
Personal protective equipment		
Respiratory protection	:	Wear NIOSH certified positive pressure air-supplied respirator with full face-piece or approved hood.
Hand protection	:	Material: Latex gloves
Hand protection	:	Additional protection: Wear approved gloves that are suitable for the task and have been shown to be impervious for the duration of their use.
Eye protection	:	Wear coverall chemical splash goggles. Additionally wear a face shield where the possibility exists for face contact due to splashing, spraying or airborne contact with this material.
Skin and body protection	:	Where there is potential for skin contact, have available and wear as appropriate, gloves, apron, pants, and jacket, that have been shown to be impervious for the duration of their use.

Exposure Guidelines

Exposure Limit Values

Perfluorinated aliphatic carboxylic acid, ammonium salt

(TSCA NCEL)	0.005 mg/m3	12 hr. TWA
(TSCA NCEL)	0.01 mg/m3	8 hr. TWA

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance		
Physical state	:	liquid
Form	:	liquid
Color	:	colourless, to, cloudy
Odor	:	odorless to ammoniacal
Odor threshold	:	No applicable data available.
pH	:	6.5 - 7.5
Melting point/freezing point	:	Freezing point -21 °C (-6 °F) at 1,013 hPa
Boiling point/boiling range	:	Boiling point/boiling range 108 °C (226 °F) at 1,013 hPa
Flash point	:	does not flash
Evaporation rate	:	No applicable data available.
Flammability (solid, gas)	:	No applicable data available.
Upper explosion limit	:	No applicable data available.
Lower explosion limit	:	No applicable data available.
Vapor pressure	:	29.10 hPa at 20.0 °C (68.0 °F)
Vapour density	:	No applicable data available.
Density	:	1.47 - 1.57 g/cm3
Specific gravity (Relative density)	:	No applicable data available.
Water solubility	:	completely soluble
Solubility(ies)	:	No applicable data available.

Partition coefficient: n-octanol/water	:	No applicable data available.
Auto-ignition temperature	:	616 °C does not ignite
Ignition temperature	:	does not ignite
Decomposition temperature	:	170 °C
Viscosity, kinematic	:	No applicable data available.
Viscosity	:	No applicable data available.
% Volatile	:	10 - 30 %
Oxidising Substance	:	The product is not oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Decomposes on heating.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Heating can release hazardous gases.
Conditions to avoid	:	Decomposition temperature > 170 °C (> 338 °F) Avoid heating for prolonged periods above the recommended upper processing limit.
Incompatible materials	:	Powdered metals Finely divided aluminium, potent oxidizers like fluorine (F2), and, related compounds, Acids and bases, Alkali metals, Strong oxidizing agents, Halogenated compounds
Hazardous decomposition products	:	Hazardous thermal decomposition products:: Fluorinated hydrocarbons, Hydrogen fluoride, Carbonyl fluoride

SECTION 11. TOXICOLOGICAL INFORMATION

Perfluorinated aliphatic carboxylic acid, ammonium salt

Inhalation 4 h LC50 : > 5.2 mg/l , Rat

Dermal LD50	:	> 5,000 mg/kg , Rat
Oral LD50	:	1,750 mg/kg , male, Rat Lethargy Respiratory effects Abnormal posture
Skin irritation	:	No skin irritation, Rabbit
Eye irritation	:	Risk of serious damage to eyes., Rabbit
Skin sensitization	:	Does not cause skin sensitisation., Mouse
Repeated dose toxicity	:	Oral Rat - 90 d NOAEL: 10 mg/kg altered hematology, altered blood chemistry, Necrosis (tissue death), Liver effects Oral Rat - 90 d NOAEL: 10 mg/kg Target Organs: Blood altered hematology, altered blood chemistry, Liver effects Oral Rat - 2 yr NOAEL: 1 mg/kg Liver effects Oral Rat - 2 yr NOAEL: 1 mg/kg Target Organs: Liver Liver effects Oral - gavage Mouse - 90 d NOAEL: 0.5 mg/kg

Liver effects

Carcinogenicity	:	Animal testing did not show any carcinogenic effects.
Mutagenicity	:	Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others.
Reproductive toxicity	:	No toxicity to reproduction No effects on or via lactation Animal testing showed no reproductive toxicity.
Teratogenicity	:	No toxicity to reproduction Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity

Perfluorinated aliphatic carboxylic acid, ammonium salt

96 h LC50	:	Oncorhynchus mykiss (rainbow trout) > 96.9 mg/l
96 h LC50	:	Rare Gudgeon (Gobiocypris Rarus) > 150 mg/l
72 h EC50	:	Pseudokirchneriella subcapitata (green algae) > 106 mg/l
48 h EC50	:	Daphnia magna (Water flea) > 102 mg/l
90 d	:	NOEC Oncorhynchus mykiss (rainbow trout) 1.08 mg/l
21 d	:	NOEC Daphnia magna (Water flea) 4.17 mg/l

Environmental Fate

GX902

Bioaccumulation : Accumulation in aquatic organisms is unlikely.
Accumulation in terrestrial organisms is unlikely.

Perfluorinated aliphatic carboxylic acid, ammonium salt

Biodegradability : Not readily biodegradable.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods - Product : Can be used after re-conditioning. If recycling is not practicable, dispose of in compliance with local regulations. Incinerate only if incinerator is capable of scrubbing out hydrogen fluoride and other acidic combustion products. The product should not be allowed to enter drains, water courses or the soil. Do not add to landfill.

Contaminated packaging : Returnable container.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

TSCA : On the inventory, or in compliance with the inventory
Product or component subject to TSCA 5(e) Consent Order or TSCA Significant New Use Rule (SNUR)
Subject to TSCA 12(b) Export Notification

	:	Perfluorinated aliphatic carboxylic acid, ammonium salt PMN Number: P-08-0509
SARA 313 Regulated Chemical(s)	:	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.
California Prop. 65	:	Chemicals known to the State of California to cause cancer, birth defects or any other harm: none known

SECTION 16. OTHER INFORMATION

Restrictions for use	:	Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy of the DuPont POLICY Regarding Medical Applications and DuPont CAUTION Regarding Medical Applications.

Revision Date : 04/23/2015

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.

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