

by Tyco Fire Suppression & Building Products

FORAY

Product Code: 2001-2-015 ANa

Issue Date: 07-30-2010

I. Product and Company Identification	
Material name	FORAY
Version #	01
Revision date	07-30-2010
CAS #	Mixture
Product Code	2001-2-015 ANa
Product use	Fire extinguishing agent
Manufacturer / Importer / Supplier	
Name	Tyco Fire Suppression and Building Products
Address	One Stanton Street
	Marinette, WI 54143-2542
Phone	715-735-7411
Internet	http://www.ansul.com
Emergency Phone Number	CHEMTREC 800-424-9300 or 703-527-3887

2. Hazards Identification

Emergency overview	WARNING
	Irritating to eyes and skin. Prolonged exposure may cause chronic effects.
Potential health effects	
Routes of exposure	Eye contact. Skin contact. Inhalation. Ingestion.
Eyes	Contact with eyes may cause irritation.
Skin	Avoid contact with the skin. May cause skin irritation.
Inhalation	Inhalation of dusts may cause respiratory irritation.
Ingestion	Not a likely route of entry.
Target organs	Eyes. Respiratory system. Skin.
Signs and symptoms	Irritation of eyes and mucous membranes.

3. Composition / Information on Ingredients

Non-hazardous components	CAS #	Percent
Pigment Yellow 14	5468-75-7	0 - 0.1
Silicone fluid	63148-57-2	0.5 - 1.5
CALCIUM CARBONATE	471-34-1	1 - 5
FULLERS EARTH	8031-18-3	3 - 7
AMMONIUM HYDROGEN SULFATE	7783-20-2	10 - 30
Ammonium Phosphate	7722-76-1	60 - 100

4. First Aid Measures

First aid procedures	
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.
Skin contact	Wash off with warm water and soap. Get medical attention if irritation develops and persists.
Inhalation	Move to fresh air.

Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire Fighting Measures

This product is not flammable. Use extinguishing agent suitable for type of surrounding fire. None known. None known. Not available. Not available. Carbon monoxide and carbon dioxide.	
None known. None known. None known. Not available.	
None known. None known. Not available. Not available.	
None known. None known. Not available. Not available.	
None known. Not available. Not available.	
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Not available.	
Carbon monoxide and carbon dioxide.	
sures	
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Wear a dust mask if dust is generated above exposure limits.	
Do not contaminate water.	
If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Prevent entry into waterways, sewer, basements or confined areas.	
Should not be released into the environment. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid the generation of dusts during clean-up. Clean up in accordance with all applicable regulations. Following product recovery, flush area with water.	
Clean up in accordance with all applicable regulations.	
Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid contact with eyes. Wash thoroughly after handling. Wear personal protective equipment.	
Guard against dust accumulation of this material. Use care in handling/storage.	

Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields (or goggles).
Skin protection	Wear chemical protective equipment that is specifically recommended by the manufacturer. It may provide little or no thermal protection.
Respiratory protection	In the case of respirable dust and/or fumes, use self-contained breathing apparatus.

9. Physical & Chemical Properties

Appearance	
Form	Powder.
Color	Yellow.
Odor	Odorless.
Physical state	Solid.
рН	Not available.

Metting point Not available. Freezing point Not available. Freezing point Not available. Flash point na ir, upper, Not available. Flash point Not available. Specific gravity Not available. Specific gravity Not available. Specific gravity Not available. Specific gravity Not available. Solubility (water) Not available. Solubility (water) Not available. Decomposition temperature Not available. Decomposition temperature Not available. To Chemical Stability & Reactivity Information Carbon oxides. Products 11. Toxicological Information Carbon oxides. Prolonged inhalation may be harmful. Not expacide to be hazardous by WHMIS criteria. 12. Ecological Information CAction wides. CACIOUM CARBONATE (471-34-1) CACIOUM CARBONATE (47			
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Persistence and degradability Not available. Partition coefficient (n-octanol/water) Not available 13. Disposal Considerations Dispose of contents/container in accordance with local/regional/national/international regulations Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Waste from residues / unused products Dispose of in accordance with local regulations. 14. Transport Information List of the second secon	Ecotoxicity	This material is not expected to	be harmful to aquatic life.
Partition coefficient (n-octanol/water) Not available 13. Disposal Considerations Dispose of contents/container in accordance with local/regional/national/international regulations Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Waste from residues / unused products Dispose of in accordance with local regulations. 14. Transport Information Dispose of in accordance with local regulations.	Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.	
(n-octanol/water) 13. Disposal Considerations Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Waste from residues / unused products 14. Transport Information	Persistence and degradability	Not available.	
Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Waste from residues / unused products 14. Transport Information		Not available	
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Waste from residues / unused products 14. Transport Information	13. Disposal Consideration	IS	
products 14. Transport Information	Disposal instructions	Dispose of waste material accor	n accordance with local/regional/national/international regulations rding to Local, State, Federal, and Provincial Environmental
		Dispose of in accordance with lo	ocal regulations.
TDG	14. Transport Information		
	TDG		

Not regulated as dangerous goods.

15. Regulatory Information

Canadian regulations	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.	
WHMIS status	Non-controlled	
Inventory status		
Country(s) or region	Inventory name On inventor	y (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Yes" indicates that all compo	nents of this product comply with the inventory requirements administered by the governing country(s	s)

16. Other Information

Further information	HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 1* Flammability: 0 Physical hazard: 0
NFPA ratings	Health: 1 Flammability: 0 Instability: 0
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.
Issue date	07-30-2010