



Company:	M P S M & Bull Partnership - HR2 6JF
Substance(s) being Assessed:	Water Extinguisher (Pentspray)
Where is substance used?:	Warehouse/Vehicles/Customer Sites
COSHH Reference Number:	Water
Safety Data Sheet Ref. No.:	Pentspray_Water_Additive
Emergency Contact Number:	01432 373161
Date of Assessment:	04/11/2011

Water Extinguisher (Pentspray)

What is the substance used for?

Fire fighting equipment to be used Class A (Wood, Paper & Plastic) Fires

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

Trade Name: Pentspray

Company: Bull Products

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterisation: Aqueous solution of ammonium phosphate and nitrogenous compounds

Hazardous components: ButylDiGlycol Ether (ButylCarbitol) [5-10%], Xi ; R36/CAS N* : 112-34-5/EINECS 203-961-6, AlkylSulfate [1-5%], Xi ; R36/38, FluoroSurfactant [1%] F ; R10

Substance Hazards:



HAZARDS IDENTIFICATION

Health Hazards - None

Physical and chemical hazards - Not flammable

Specific Risks - This product is not classified as hazardous under European directive 1999/45/EC

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data:

Physical form: Liquid

Colour/Odour: Orange, faint ammonia smell

PH: 8.0 +/-1.0

Freezing point: - 14°C

Boiling point: +105°C

Flammability/oxidising/explosive properties: None

Specific gravity at 20°C 1180 +/-20 kg/m³

Solubility - Completely soluble in water

STABILITY AND REACTIVITY

Thermal decomposition - Stable under normal conditions of use and storage. Hazardous reactions - Avoid contact with strong oxidising agents. Can generate ammonia.

TOXICOLOGICAL INFORMATION

Acute toxicity - Not classified as toxic if swallowed. Local effects - Can be persistently irritating to eyes.

ECOLOGICAL DATA

Environmental Behaviour: COD not available

Biodegradation data: BOD₅ not available.

Biodegradation rate - PerFluorinated Organic Compounds persists in environment

Bio accumulative - Not expected according to our knowledge

ECOTOXICITY

Aquatic life toxicity - Expected to have adverse effects on environment if discharged in big quantities

Workplace Exposure Limit:

n/a

Routes of Exposure:



Exposure Guidelines

Hygienic Measures - DO NOT eat, drink or smoke while handling the product. Clean hands after working.

Who might be harmed?

All Staff

Control Measures:



First aid and Fire:



FIRST AID MEASURES

After skin contact - Wash off with water. Remove contaminated soaked clothing and rinse with water.

After eye contact - Flush eye with plenty of water for at least 10 minutes.

After swallowing - Wash mouth with water. Seek medical advice should pain occur and persist.

FIRE FIGHTING MEASURES

Extinguishing Media - Not flammable

Protective equipment for fire fighters - Aqueous solution: not to burn when exposed to heat

Storage, Disposal & Spillage:



ACCIDENTAL RELEASE MEASURES

Personal precautions - Wear gloves and goggles.

Environmental protection - Absorb onto sand or other absorbent material and shovel into container for disposal.

CLEANING MEASURES

Collecting - Pump into clearly identified unbreakable containers

Cleaning - Wash thoroughly with water

Disposal - Incineration according to local regulations

HANDLING AND STORAGE

Handling: Avoid to breathe vapours

Storage: Technical measures - Storage area should contain accidental spill

Storage conditions - Sealed containers in normal cool warehouse

Storage recommendations - Tanks in PE, PP

Packaging material:

Recommended - Polyethylene, Polypropylene

Not advised - Mild steel, iron, aluminium, copper and its alloys

Recommended sealing - Viton, Kevlar, Teflon

DISPOSAL CONSIDERATIONS

Product: Prohibition - Do not discharge in the environment

Disposal - Small amounts of product do not interfere with water treatment facilities. Big quantities should be treated as chemical waste according to local regulations.

Packaging: Prohibition - Do not discharge in the environment

Cleaning - Rinse with plenty of water

Disposal - Incineration or an agreed method for packing recycling

TRANSPORT INFORMATION

International Regulations

Road - RID/ADIR - Non Hazardous

Sea - OMI/IMDG - Non Hazardous

Air - ICAO/IATA - Non Hazardous

REGULATORY INFORMATION

Labelling

CE Regulations - Not Classified

Hazard symbols - Not applicable

S phrases - S20/21: When using do not eat, drink or smoke

Personal Protective Equipment:



PERSONAL PROTECTION

Hand Protection - Impermeable gloves (PVC) if continual handling

Eye protection - Goggles

Body Protection - Working Clothes

Hygienic Measures - Do not eat, drink or smoke while handling the product. Clean hands after working.

The calculated risk factor for this task/operation is **3** (Probability: 1 x Severity: 3)

This is classed as a **LOW** risk

Additional Measures:

None Required

Operating Procedures:

OTHER INFORMATION

This is taken from the suppliers Material Safety Data Sheet which complies with ISO 11014-1. It is redacted in accordance to European Directive 2001/58/EC

Review Date: 04/11/2012

Name of Assessor: Ann-Marie Bishop

Position: HR, Quality, H & S Manager

Signature/s: 

Date: 11/11/2011