
SAFETY DATA SHEET

1 Identification of the substance or preparation and the supplier

Product Name: **BURNAID**
 Datasheet Number: 604405 2.0.0
 Use of the substance/preparation: Fuel treatment, Combustion improver
 Product Part Number: 604405 (25 liter), 604397 (210 liter)

Name of Supplier: Unitor ASA
 Address of Supplier: Willem Barentszstraat 50
 3165 AB Rotterdam-Albrandswaard
 The Netherlands

Telephone: +31 10 4877 777
 Fax: +31 10 4877 888
 Responsible Person: Leen de Visser, Corporate Product Safety Manager, Tel.: +31 6 538 63736

Name of Manufacturer: UNITOR CHEMICALS AS
 Address of Manufacturer: P.O.Box 15
 3141 Kjøpmannskjær
 Norway.
 Telephone: +47 333 515 00

Emergency Telephone: NCEC: +44 1865 407333
 CHEMTREC (800) 424 9300
 CMA +1 703 527 3887
 Greece +30 1 7793777

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Naphtha, low boiling, hydrogen treated	10-30	64742-82-1	265-185-4	65, 66	Xn
Kerosine, unspecified	60-100	64742-94-5	265-198-5	51/53, 65, 66	Xn, N
Tertiary alkyl primary amines	5-10	68955-53-e	273-279-1	22 23/24, 34, 43, 48/23, 50/53	C, T, N

3 Hazards identification

- Odour: Pungent odour
- Appearance: Liquid, pale yellow, insoluble in water
- Contact with eyes: Causes severe irritation
- Contact with skin: Toxic in contact with skin (R24), Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis, May cause sensitisation by skin contact (R43)
- Inhalation: Toxic by inhalation (R23), Harmful: danger of serious damage to health by prolonged exposure through inhalation (R48/20), May cause chronic pneumonitis
- Ingestion: Harmful: may cause lung damage if swallowed (R65)
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

3 Hazards identification (....)



Toxic



Dangerous for the Environment

4 First aid measures

Contact with skin

- Remove contaminated clothing immediately and drench affected skin with plenty of water
- Contaminated clothing should be laundered before reuse
- Seek medical attention if irritation persists

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Irrigate eyes thoroughly whilst lifting eyelids
- Obtain immediate medical attention

Ingestion

- Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention
- If vomiting occurs turn patient on side
- Obtain immediate medical attention

Inhalation

- Remove patient to fresh air
- When in doubt or symptoms persist, seek medical attention

General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
-

5 Fire-fighting measures

- Auto-ignition point 230 deg C at 760 mm Hg
 - Flash point >62 deg C (CC)
 - Nitrogen and carbon oxides may be formed
 - In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
 - Do not use water jets
 - Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
 - Prevent run off water from entering drains if possible
-

6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- Do not allow to enter public sewers and watercourses
 - Do not flush spilt material into any public water system
-

6 Accidental release measures (...)

Immediate Actions

- Contain spillage by any means possible

Clean Up Actions

- Absorb spillage in inert material and shovel up
- Ventilate the area and wash spill site after material pick-up is complete

Special Precautions

- Do not allow to enter public sewers and watercourses
- Wear protective clothing as per section 8

7 Handling and storage

Handling

- Avoid contact with skin and eyes (S24/25)
- Eyewash bottles should be available
- See Section 8

Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
- Keep container tightly closed (S7)
- Keep away from open flames, hot surfaces and sources of ignition.

8 Exposure controls and personal protection

Exposure Limits

- TLV (TWA) 275 mg/m³ (Naphtha, low boiling, hydrogen treated)
- TLV (TWA) 120 mg/m³ (Kerosine, unspecified)

Exposure controls

- No special ventilation is required unless the product is used in a spray form
- The undiluted product must not be used in a confined space without good ventilation

Occupational exposure controls

- No respiratory protection is required unless subject to contact with substance mist
- During fumigation/spraying wear suitable respiratory equipment (S42)
- Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended)



9 Physical and chemical properties

- Odour: Pungent odour
- Appearance: Liquid, pale yellow, insoluble in water
- pH - not applicable
- Boiling point 185 °C to 210 °C at 760 mm /Hg
- Vapour pressure - not known
- Vapour density (air = 1) >1
- Melting point - not known
- Insoluble in water
- Specific gravity (water=1) 0.85
- Flash point >62 deg C (CC)
- Auto-ignition point 230 deg C at 760 mm Hg
- Lower explosive limit 0.6 % (in air)

Upper explosive limit 6 % (in air)

10 Stability and reactivity

- This article is considered stable under normal conditions
- Keep away from naked flames, incandescent or hot surfaces
- See Section 5

11 Toxicological information

Toxicological information

- Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
- May cause allergic reaction in susceptible people

Inhalation

- Danger of serious damage to health by prolonged exposure (R48)
- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Inhalation of solvent vapours may give rise to nausea, headaches and dizziness

Contact with skin

- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- May cause sensitisation by skin contact (R43)
- Contains Tertiary alkyl primary amines. May produce an allergic reaction.

Contact with eyes

- Causes severe irritation

Ingestion

- The ingestion of significant quantities may cause damage to lungs
- Aspiration hazard

Carcinogenicity

- No evidence of carcinogenic effects

12 Ecological information

Ecotoxicity

- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

12 Ecological information (...)

Mobility

- Insoluble in water

Persistence and Biodegradability

- Most components in this product are not readily biodegradable.

Bioaccumulation Potential

- Hydrocarbon solvents have the potential to bioaccumulate.

Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly.

In its intended use, the product will not be released into the environment.

13 Disposal considerations

Classification

- EU Waste class: 07.01
- This material and/or its container must be disposed of as hazardous waste

Disposal considerations

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
 - Disposal should be in accordance with local, state or national legislation
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14 Transport information



Dangerous Substance



Marine Pollutant

UN

Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s. (Alkyl (C3-C8) Benzenes)		
UN No.:	3082		
Hazard Class:	9	Packing Group:	III

Road/Rail (ADR/RID)

Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s. (Alkyl (C3-C8) Benzenes)		
ADR UN No.:	3082		
ADR Hazard Class:	9	Tremcard:	90GM6-III

Sea (IMDG)

Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s. (Alkyl (C3-C8) Benzenes)		
IMDG UN No.:	3082		

14 Transport information (....)

IMDG Hazard Class.:	9	IMDG Pack Group.:	III
IMDG EmS:	F-A, S-F	IMDG subrisk:	-
IMDG labels:	9 + Marine Pollutant	IMDG Flashpoint:	>62 °C

Air (ICAO/IATA)

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Alkyl (C3-C8) Benzenes)
 ICAO Un No.: 3082

ICAO Hazard Class.:	9	ICAO Packing Group.:	III
ICAO subrisk:	-	ICAO Labels:	9
ICAO Flashpoint:	>62 °C		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Alkyl (C3-C8) Benzenes)
 Hazardous Material: Alkyl (C3-C8) Benzenes

Hazard Class:	9 + Marine Pollutant	Identification Number:	UN 3082
Product RQ (lbs):	Not Established	DOT subrisk:	-
DOT labels:	9	DOT Flashpoint:	>62 °C

- Packing group III
- Marine pollutant

15 Regulatory information



Toxic



Dangerous for the Environment

Risk Phrases

- Toxic by inhalation and in contact with skin (R23/24)
- Irritating to eyes and skin (R36/38)
- May cause sensitisation by skin contact (R43)
- Harmful: danger of serious damage to health by prolonged exposure through inhalation (R48/20)
- Harmful: may cause lung damage if swallowed (R65)
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

Safety Phrases

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- After contact with skin, wash immediately with plenty of soap and water (S28)
- Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)
- If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label (S62)

15 Regulatory information (....)

- This material and its container must be disposed of as hazardous waste (S60)

16 Other information

(R22: Harmful if swallowed. R23/24: Toxic by inhalation and in contact with skin. R34: Causes burns. R43: May cause sensitisation by skin contact. R48/23: Toxic: danger of serious damage to health by prolonged exposure through inhalation. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking.)

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)