

COMPANY IDENTITY: Noble Company
 PRODUCT IDENTITY: FIREFIGHTER ELIMINATOR 1330

SDS DATE: 01/01/2022
 ORIGINAL: 02/18/2020

SAFETY DATA SHEET

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements of the Global Harmonizing System.
 THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)
 IMPORTANT: Read this SDS before handling & disposing of this product.
 Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: FIREFIGHTER ELIMINATOR 1330
 PRODUCT USES: Chemical Processing

COMPANY IDENTITY: Noble Company
 COMPANY ADDRESS: 7300 Enterprise Dr.
 COMPANY CITY: Spring Lake, MI 49456
 COMPANY PHONE: 1-231-799-8000
 EMERGENCY PHONE: 1-231-799-8000

SECTION 2. HAZARDS IDENTIFICATION

CAUTION

2.1 HAZARD STATEMENTS: (CAT = Hazard Category)

This product has been evaluated and classified as defined by OSHA Hazard Communication Standard, 29CFR 1910.1200.

GHS Classification: Eye Irritation (Category 2B Mild Irritant)
 Skin Irritation (Category 3 Mild Irritant)
 Acute Toxicity (oral, Category 5)

GHS PICTOGRAMS: Not Applicable

GHS SIGNAL WORD: Warning

GHS HAZARD STATEMENTS: H303 May be harmful if swallowed
 H316 Causes mild skin irritation
 H320 Causes eye irritation

GHS PRECAUTIONARY STATEMENTS: P262 Do not get in eyes, on skin, or on clothing.
 P301 +330 + 331 + P312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting call a POISON CENTER or doctor/physician IF you feel unwell.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
 P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 IF eye irritation persists: Get medical advice/attention.

2.2 PRECAUTIONARY STATEMENTS:

PREVENTION: Observe good industrial hygiene practices. Isolate from extreme heat & flame.
 RESPONSE: Wash hands after handling.
 STORAGE: Store away from incompatible materials.
 DISPOSAL: Dispose of waste and residues in accordance with local authority requirements.

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	EINECS#	VOL%
Water	7732-18-5		50
Glycerol	56-81-5		46

Unlisted components are considered non-hazardous as per 29CFR1910.1200g2C. See section 15 for specific state right-to-know information if applicable.

COMPANY IDENTITY: Noble Company
PRODUCT IDENTITY: FIREFIGHTER ELIMINATOR 1330

SDS DATE: 01/01/2022
ORIGINAL: 02/18/2020

SECTION 4. FIRST AID MEASURES

- 4.1 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE & CHRONIC:
See Section 11 for Symptoms/Effects (acute & chronic).
- 4.2 EYE CONTACT:
For eyes, flush with plenty of water for 15 minutes & get medical attention.
- 4.3 SKIN CONTACT:
In case of contact with skin immediately remove contaminated clothing.
Wash thoroughly with soap & water. Wash contaminated clothing before reuse.
- 4.4 INHALATION:
Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs, remove victim to fresh air. If irritation persists, seek medical attention.
- 4.5 SWALLOWING:
Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting.
Give 1-2 glasses of water to drink, if conscious and alert.

Notes to physician: treat symptomatically. No specific antidote available. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5. FIRE FIGHTING MEASURES

- 5.1 FIRE & EXPLOSION PREVENTIVE MEASURES:
NO open flames.
- 5.2 SUITABLE (& UNSUITABLE) EXTINGUISHING MEDIA:
Use dry powder, alcohol-resistant foam, water spray, carbon dioxide.
- 5.3 SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS FOR FIRE FIGHTERS:
Use caution when fighting any fire. Adequate respiratory protection is essential.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES:
Use suitable protective equipment (See Section 8: "Exposure controls / personal protection").
High risk of slipping due to leakage/spillage of product.
- 6.2 ENVIRONMENTAL PRECAUTIONS:
Keep from entering storm sewers and ditches which lead to waterways.
- 6.3 METHODS & MATERIAL FOR CONTAINMENT & CLEAN-UP:
Stop spill at source. Dike and contain. Collect leaking liquid in sealable containers. Absorb remaining liquid in sand or inert absorbent. Remove to safe place.

SECTION 7. HANDLING AND STORAGE

- 7.1 PRECAUTIONS FOR SAFE HANDLING:
Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. In cold weather, liquids may stratify and freeze. This does not damage the product. If freezing occurs, thaw and remix before using. Frozen material may be thawed in a warm room. Avoid localized overheating. Vent drums while heating. Mix thoroughly to assure homogeneity. Handle with care. Wash thoroughly after handling.
- 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:
Keep container closed. Store in an area that is dry and well-ventilated; away from incompatible materials (see section 10). For Industrial and commercial use only!

COMPANY IDENTITY: Noble Company
 PRODUCT IDENTITY: FIREFIGHTER ELIMINATOR 1330

SDS DATE: 01/01/2022
 ORIGINAL: 02/18/2020

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 EXPOSURE LIMITS:

MATERIAL	CAS#	EINECS#	WT %
Water	7732-18-5	231-791-2	50
Glycerol	56-81-5	-	46
Inhibitor	Confidential	-	<1%

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

8.2 APPROPRIATE ENGINEERING CONTROLS:

Ventilation / Local Exhaust: General room ventilation.

Ventilation / Mechanical Recommendations: None required.

8.3 INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection: Not required for properly ventilated areas.

Skin Protection: Vinyl or rubber protective gloves.

Eye Protection: Goggles or face shield.

Other Protective Equipment: Vinyl apron (optional).

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Liquid, Orange
ODOR:	Characteristic
ODOR THRESHOLD:	Not Available
pH (Neutrality):	7.5-9
MELTING POINT/FREEZING POINT:	+18 C / +64 F (solidifies at much lower temp)
BOILING RANGE (IBP, 50%, Dry Point):	100 100 290* C / 212 212 554* F (*=End Point)
FLASH POINT (TEST METHOD):	177 C / 352 F (COC)
EVAPORATION RATE (n-Butyl Acetate=1):	Not Applicable
FLAMMABILITY CLASSIFICATION:	Class III-B
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	10.0 (Lowest Component)
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C	17.5
VAPOR DENSITY (air=1):	0.670
GRAVITY @ 68/68 F / 20/20 C:	
DENSITY:	1.125
SPECIFIC GRAVITY (Water=1):	1.16-1.17
POUNDS/GALLON:	9.421
WATER SOLUBILITY:	complete
PARTITION COEFFICIENT (n-Octane/Water):	-2.6 (calculated)
AUTO IGNITION TEMPERATURE:	Not Applicable
DECOMPOSITION TEMPERATURE:	Not Available
TOTAL VOC'S (TVOC)*:	0.0 Vol% / 0.0 g/L / 0.000 Lbs/Gal
NONEXEMPT VOC'S (CVOC)*:	0.0 Vol% / 0.0 g/L / 0.000 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS):	0.0 Wt% / 0.0 g/L / 0.000 Lbs/Gal
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	0.0
VISCOSITY @ 20 C (ASTM D445):	4.4 mPa.s

* Using CARB (California Air Resources Board Rules).

SECTION 10. STABILITY & REACTIVITY

10.1 REACTIVITY & CHEMICAL STABILITY:

Stable under normal conditions, no hazardous reactions when kept from incompatibles.

10.2 POSSIBILITY OF HAZARDOUS REACTIONS & CONDITIONS TO AVOID:

Isolate from oxidizers, heat, & open flame.

10.3 INCOMPATIBLE MATERIALS:

The substance decomposes on extreme heating producing fumes of acrolein.

The substance can readily react with strong oxidants, causing fire & explosion hazard.

10.4 HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Oxides, acrolein from burning.

10.5 HAZARDOUS POLYMERIZATION:

Will not occur.

COMPANY IDENTITY: Noble Company
 PRODUCT IDENTITY: FIREFIGHTER ELIMINATOR 1330

SDS DATE: 01/01/2022
 ORIGINAL: 02/18/2020

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 ACUTE HAZARDS

11.11 EYE & SKIN CONTACT:

Not irritating to skin. May be irritating to eyes. Wash thoroughly after handling.

11.12 INHALATION:

Not likely to cause irritation at ambient temperatures. Mist can cause irritation.

11.13 SWALLOWING:

Swallowing may produce gastrointestinal upset. Symptoms from ingestion of large doses may include severe abdominal pain, vomiting, and diarrhea.

11.2 SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing disorders of any target organs mentioned in this Document can be aggravated by over-exposure by routes of entry to components of this product. Persons with these disorders should avoid use of this product.

11.3 CHRONIC HAZARDS

11.31 CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

11.32 TARGET ORGANS: May cause damage to target organs, based on animal data.

11.33 IRRITANCY: Irritating to contaminated tissue.

11.34 SENSITIZATION: No component is known as a sensitizer.

11.35 MUTAGENICITY: No known reports of mutagenic effects in humans.

11.36 EMBRYOTOXICITY: No known reports of embryo toxic effects in humans.

11.37 TERATOGENICITY: No known reports of teratogenic effects in humans.

11.38 REPRODUCTIVE TOXICITY: No known reports of reproductive effects in humans.

A MUTAGEN is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate across generational lines. An EMBRYOTOXIN is a chemical which causes damage to a developing embryo (such as: within the first 8 weeks of pregnancy in humans), but the damage does not propagate across generational lines. A TERATOGEN is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A REPRODUCTIVE TOXIN is any substance which interferes in any way with the reproductive process.

11.4 MAMMALIAN TOXICITY INFORMATION

LD50 (Oral): > 12600 mg/kg (Rat)

SECTION 12. ECOLOGICAL INFORMATION

12.1 ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

12.2 EFFECT OF MATERIAL ON PLANTS AND ANIMALS:

This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

12.3 EFFECT OF MATERIAL ON AQUATIC LIFE:

LC50 / 96 hours: >5000 mg/L (Fish)
 EC50 / 24 hours: >10000 mg/L (Daphnia magna)
 EC50 / 16 hours: >10000 mg/L (Pseudomonas putida)

12.4 MOBILITY IN SOIL

Mobility of this material has not been determined.

12.5 DEGRADABILITY

This product is completely biodegradable.
 BOD5/COD: 0.87/1.16 (gO₂/g)

COMPANY IDENTITY: Noble Company
 PRODUCT IDENTITY: FIREFIGHTER ELIMINATOR 1330

SDS DATE: 01/01/2022
 ORIGINAL: 02/18/2020

12.6 ACCUMULATION

Bioaccumulation of this product has not been determined.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Recycle, recovery and reuse of materials, where permitted, is encouraged as and alternate to disposal as a waste. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA listed hazardous waste or has any of the four RCRA hazardous waste characteristics. Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA listed hazardous waste. RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: *Ignitability, Corrosivity, Reactivity, and Toxicity*. To determine Ignitability, see Section 9 of this SDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 2 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed. **Is the unused product a RCRA hazardous waste (40CFR261.33) if discarded? No** If yes, the RCRA ID number is : N/A Recycle, recovery and reuse of materials, where permitted, is encouraged as an alternate to disposal as a waste. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA listed hazardous waste or has any of the four RCRA hazardous waste characteristics. Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA listed hazardous waste. RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: *Ignitability, Corrosivity, Reactivity, and Toxicity*. To determine Ignitability, see Section 9 of this SDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 2 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed.

Is the unused product a RCRA hazardous waste (40CFR261.33) if discarded? No
 If yes, the RCRA ID number is : N/A

SECTION 14. TRANSPORT INFORMATION

Transportation Emergency Telephone Number: 3E 24 hour number : (866)302-6855* *Please refer to c# referenced in section 1 of this sds.

UN Number / DOT Proper Shipping Name / DOT Hazard Class / Packing Group / DOT Label & other information: NOT REGULATED BY DOT (neutral cleaning liquid, NOIBN)

SECTION 15. REGULATORY INFORMATION

15.1 EPA REGULATION:

SARA SECTION 311/312 HAZARDS: None Known

All components of this product are on the TSCA list.
 This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%.

15.2 STATE REGULATIONS:

THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):

This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

15.3 INTERNATIONAL REGULATIONS

The identified components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSSL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

15.4 CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

D2B: Irritating to skin / eyes.

This product was classified using the hazard criteria of the Controlled Products Regulations (CPR). This Document contains all information required by the CPR.

SECTION 16. OTHER INFORMATION

16.1 HAZARD RATINGS:

HEALTH (NFPA): 1, HEALTH (HMIS): 1, FLAMMABILITY: 1, PHYSICAL HAZARD: 0

COMPANY IDENTITY: Noble Company
PRODUCT IDENTITY: FIREFIGHTER ELIMINATOR 1330

SDS DATE: 01/01/2022
ORIGINAL: 02/18/2020

(Personal Protection Rating to be supplied by user based on use conditions.)
This information is intended solely for the use of individuals
trained in the NFPA & HMIS hazard rating systems.

16.2 EMPLOYEE TRAINING

See Section 2 for Risk & Safety Statements. Employees should be made aware
of all hazards of this material (as stated in this SDS) before handling it.

16.3 SDS DATE: 02/18/2021

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness
for a specific use, with respect to the product or the information provided herein,
except for conformation to contracted specifications. All information appearing herein
is based upon data obtained from manufacturers and/or recognized technical sources.

COMPANY IDENTITY: Noble Company
PRODUCT IDENTITY: FIREFIGHTER GL46+1330P

SDS DATE: 02/18/2021
ORIGINAL: 02/18/2021

While the information is believed to be accurate, we make no representations as to its
accuracy or sufficiency.
Conditions of use are beyond our control, and therefore users are responsible for
verifying the data under their own operating conditions to determine whether the product
is suitable for their particular purposes and they assume all risks of their handling,
and disposal of the product. Users also assume all risks in regards to the publication
or use of, or reliance upon information contained herein.
This information relates only to the product designated herein, and does not relate to
its use in combination with any other material or process.