SECTION 1 – IDENTIFICATION	
Name, Address, and Telephone of the	Posnonsible Party
Dyno Nobel Inc.	SDS #: 1030
6440 S. Millrock Drive, Suite 150	Date: 07/20/2020
	Supersedes: 03/06/2020
Salt Lake City, Utah 84121	•
Phone: 801-364-4800 Fax 801-321-6703	3
E-Mail: <u>dnna.hse@am.dynonobel.com</u>	
www.dynonobel.com	
Product Identifier	
Product Form: Mixture	
Product Name: Packaged Emulsion Exp	losives
Trade Name(s):	
DYNO [®] AP	POWERMITE®
DYNO [®] AP PLUS	POWERMITE [®] Canadian
DYNO [®] E5	POWERMITE [®] PLUS
DYNO [®] SL	POWERMITE [®] RAISE BOMB™
DYNO [®] SL PLUS	POWERMITE [®] SL
DYNO® TX	
DYNOSPLIT® AP	SEISPRO®
DYNO® XTRA	DX1018
DINO [®] ATKA	DATOTO
Other Means of Identification	
Product Class: Emulsion Explosives, Pa	ckaged
Intended Use of the Product	
Industrial blasting applications	
Emergency Telephone Number	
FOR 24 HOUR EMERGENCY, CALL C	HEMTREC (USA) 800-424-9300
I OIL 24 HOOIL EILEROLING I, OMEL O	112W11X2C(03A) = 000-424-3300
	ANUTEC (CANADA) 613-996-6666
C	ANUTEC (CANADA) 613-996-6666
C SECTION 2 – HAZARD(S) IDENTIFIC	ANUTEC (CANADA) 613-996-6666 CATION
C	ANUTEC (CANADA) 613-996-6666 CATION
C SECTION 2 – HAZARD(S) IDENTIFIC	ANUTEC (CANADA) 613-996-6666 CATION
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt	ANUTEC (CANADA) 613-996-6666 CATION
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt	ANUTEC (CANADA) 613-996-6666 CATION cure ct that will not result in exposure to the contents under normal conditions of use. In the
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produc	ANUTEC (CANADA) 613-996-6666 CATION cure ct that will not result in exposure to the contents under normal conditions of use. In the
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produc	ANUTEC (CANADA) 613-996-6666 CATION cure ct that will not result in exposure to the contents under normal conditions of use. In the
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria	ANUTEC (CANADA) 613-996-6666 CATION cure ct that will not result in exposure to the contents under normal conditions of use. In the
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION cure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present.
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION cure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present.
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements	ANUTEC (CANADA) 613-996-6666 CATION cure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present.
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produ- event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling	ANUTEC (CANADA) 613-996-6666 CATION cure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present.
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements	ANUTEC (CANADA) 613-996-6666 CATION cure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present.
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produ- event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling	ANUTEC (CANADA) 613-996-6666 CATION cure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present.
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produ- event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling	ANUTEC (CANADA) 613-996-6666 CATION cure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present.
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produ- event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling	ANUTEC (CANADA) 613-996-6666 CATION sure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present. H201 : Cation H201
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling Hazard Pictograms (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION cure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present.
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling Hazard Pictograms (GHS-US) Signal Word (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION Sure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present. H201 : H201 : Danger
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling Hazard Pictograms (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION Sture ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present. H201 : UPD H201 : UPD H201 : UPD H201 : UPD H201 : UPD H201 : UPD : : : : : : : : : : : : :
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling Hazard Pictograms (GHS-US) Signal Word (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION Sure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present. H201 : H201 : Danger
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling Hazard Pictograms (GHS-US) Signal Word (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION Sure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present. H201 : H201 : Danger
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling Hazard Pictograms (GHS-US) Signal Word (GHS-US) Hazard Statements (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION Foure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present. H201 : H201 : Danger : H201 - Explosive; mass explosion hazard. : P210 - Keep away from heat, hot surfaces, open flames, sparks No
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling Hazard Pictograms (GHS-US) Signal Word (GHS-US) Hazard Statements (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION foure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present. H201 : H201 : Danger : H201 - Explosive; mass explosion hazard. : P210 - Keep away from heat, hot surfaces, open flames, sparks No smoking.
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling Hazard Pictograms (GHS-US) Signal Word (GHS-US) Hazard Statements (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION Sure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present. H201 : H201 : Danger : H201 - Explosive; mass explosion hazard. : P210 - Keep away from heat, hot surfaces, open flames, sparks No smoking. P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling Hazard Pictograms (GHS-US) Signal Word (GHS-US) Hazard Statements (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION foure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present. H201 : H201 : Danger : H201 - Explosive; mass explosion hazard. : P210 - Keep away from heat, hot surfaces, open flames, sparks No smoking.
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produce event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling Hazard Pictograms (GHS-US) Signal Word (GHS-US) Hazard Statements (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION Sure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present. H201 : H201 : Danger : H201 - Explosive; mass explosion hazard. : P210 - Keep away from heat, hot surfaces, open flames, sparks No smoking. P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
C SECTION 2 – HAZARD(S) IDENTIFIC Classification of the Substance or Mixt General Advice: This is a packaged produ- event of contact, administer first aid appropria Classification (GHS-US) Expl. 1.1 Label Elements GHS-US Labeling Hazard Pictograms (GHS-US) Signal Word (GHS-US) Hazard Statements (GHS-US) Precautionary Statements (GHS-US)	ANUTEC (CANADA) 613-996-6666 CATION Sure ct that will not result in exposure to the contents under normal conditions of use. In the te for symptoms present. H201 H201

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. P370+P378 - In case of fire: DO NOT attempt to fight fire.

P370+P380 - In case of fire: Evacuate area.

P372 - Explosion risk in case of fire.

P373 - DO NOT fight fire when fire reaches explosives.

P401 - Store as defined in the Explosives Act of Canada and the provisions of the Bureau of Alcohol, Tobacco and Firearms regulations contained in 27 CFR part 555.

P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

Other Hazards Hazards Not Otherwise Classified (HNOC): None

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS Mixture

Product identifier Ingredient Classification (GHS-US) Name % (w/w) (CAS No) 6484-52-2 45 - 75 Ammonium nitrate Ox. Sol. 3, H272 Eye Irrit. 2A, H319 (CAS No) 7631-99-4 8 – 28 Sodium nitrate Ox. Sol. 3, H272 Eye Irrit. 2A, H319 0 – 10 Aluminum (CAS No) 7429-90-5 Comb. Dust Flam. Sol. 1, H228 Water-react. 2, H261 Mineral oil (CAS No) 64742-54-7 0 - 4Asp. Tox. 1, H304 (CAS No) 1338-43-8 0.2 – 1.5 Not Classified Sorbitan monooleate **Polymeric Emulsifier** (CAS No) 165526-49-8 0 - 3Not Classified

Ingredients, other than those mentioned above, as used in this product are not hazardous as defined under current Department of Labor regulations, or are present in deminimus concentrations (less than 0.1% for carcinogens, less than 1.0% for other hazardous materials).

Full text of H-phrases: see section 16

SECTION 4 - FIRST AID MEASURES

Description of First Aid Measures

This is a packaged product that will not result in exposure to the contents under normal conditions of use. In the event of exposure, administer first aid appropriate for symptoms present.

General: Never give anything by mouth to an unconscious person. If exposed person feels unwell, seek medical advice. **Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Wash contaminated clothing before reuse.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Obtain medical attention if irritation develops or persists.

Ingestion: Rinse mouth. Do not induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms and Effects Both Acute and Delayed

General: Avoid ingestion, contact with eyes or skin.

Inhalation: May cause respiratory irritation.

Skin Contact: May cause skin irritation.

Eye Contact: May cause serious eye irritation.

Ingestion: Seek medical attention.

SDS# 1030 Date: 07/20/2020



Page 2 of 8

Chronic Symptoms: None expected under normal conditions of use. Indication of Any Immediate Medical Attention and Special Treatment Needed If exposed or concerned, get medical advice and attention.

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: DO NOT ATTEMPT TO FIGHT FIRES INVOLVING EXPLOSIVE MATERIALS. Evacuate all personnel to a predetermined safe location, no less than 2,500 feet in all directions.

Unsuitable Extinguishing Media: (See above)

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Can explode or detonate under fire conditions. Burning material may produce toxic vapors. **Explosion Hazard:** This product is an explosive with mass detonation hazard. Heating may cause an explosion. **Reactivity:** Stable under normal conditions, may explode when subjected to fire, supersonic shock or high-energy projectile impact, especially when confined or in a large quantity.

Advice for Firefighters

Firefighting Instructions: DO NOT ATTEMPT TO FIGHT FIRES INVOLVING EXPLOSIVE MATERIALS. Evacuate all personnel to a predetermined safe location, no less than 2,500 feet in all directions. Guard against re-entry. **Protection During Firefighting:** See above

Hazardous Combustion Products: Nitrogen Oxides (NOx), Carbon Monoxide (CO). Ammonia.

Reference to Other Sections: Refer to section 9 for flammability properties.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Eliminate every possible source of ignition.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Eliminate ignition sources. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

Methods for Cleaning Up: Protect from all ignition sources. If no fire danger is present, and product is undamaged and/or uncontaminated, pick up or sweep up and repackage product in original packaging or other clean DOT approved container. Ensure that a complete account of product has been made and is verified. Follow applicable Federal, State, and local spill reporting requirements.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see section 13.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling

This is a packaged product that will not result in exposure to the contents under normal conditions of use.

Additional Hazards When Processed: This product is an explosive and should only be used under the supervision of trained and licensed personnel. Use accepted safe industry practices when handling and using explosive materials. Unintended detonation of explosives or explosive devices can cause serious injury or death.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

SDS# 1030 Date: 07/20/2020



Page 3 of 8

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Store as defined in the Explosives Act of Canada and the provisions of the Bureau of Alcohol, Tobacco and Firearms regulations contained in 27 CFR Part 555.

Storage Conditions: Store in cool, dry, well-ventialated location. Store in compliance with Federal, State and local regulations. Keep away from heat, flame, ignition sources and strong shock. Do NOT store explosives in a detonator magazine or detonators in an explosive magazine. Keep containers closed. Explosives should be kept well away from initiating explosives; protected from physical damage; separated from oxidizing materials, combustibles, and sources of heat. Isolate from incompatibles.

Incompatible Materials: Corrosives (strong acids and strong bases or alkalis) **Specific End Use(s)** For industrial applications.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

		Occupational Expos	ure Limits
Ingredients:	Product identifier:	ACGIH TLV-TWA	OSHA PEL-TWA
Ammonium nitrate	(CAS No) 6484-52-2	None	None
Sodium nitrate	(CAS No) 7631-99-4	None	None
Aluminum	(CAS No) 7429-90-5	10 mg/m ³ (dust)	15 mg/m ³ (total)
Mineral Oil	(CAS No) 64742-54-7	5 mg/m ³ (mist)	5 mg/m ³ (mist)
Sorbitan monooleate	(CAS No) 1338-43-8	None	None
Polymeric Emulsifier	(CAS No) 165526-49-8	None	None

Ingredients, other than those mentioned above, as used in this product are not hazardous as defined under current Department of Labor regulations, or are present in deminimus concentrations (less than 0.1% for carcinogens, less than 1.0% for other hazardous materials).

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.



Personal Protective Equipment: Gloves. Protective goggles. Protective clothing.

Materials for Protective Clothing: protective clothing.

Hand Protection: Protect against incidental skin contact.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical	l Pi	roperties
Physical State	:	Solid
Appearance	:	White or pink opaque semi-solid, which will appear gray if product contains aluminum. Typically paper or plastic chub packaging.
Odor	:	Faint petroleum odor

SDS# 1030 Date: 07/20/2020



Odor Threshold	:	Not available
рН	:	Not applicable
Evaporation Rate	:	<1
Melting Point	:	Not applicable
Freezing Point	:	Not applicable
Boiling Point	:	Not applicable
Flash Point	:	Not applicable
Auto-ignition Temperature	:	Not available
Decomposition Temperature	:	Ammonium nitrate: 210 °C (410 °F)
Flammability (solid, gas)	:	Not applicable
Lower Flammable Limit	:	Not applicable
Upper Flammable Limit	:	Not applicable
Vapor Pressure	:	Not applicable
Relative Vapor Density at 20 °C	:	Not applicable
Relative Density	:	Not applicable
Density	:	0.95 - 1.25 g/cc
Specific Gravity	:	Not applicable
Solubility	:	Partially soluble in water
Partition coefficient: n-octanol/water	:	Not available
Viscosity	:	Not available
Explosive properties	:	Explosive; mass explosion hazard
Explosion Data – Sensitivity to Mechanical	:	Not sensitive
Impact		
Explosion Data – Sensitivity to Static	:	Not sensitive
Discharge		

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions, may explode when subjected to fire, supersonic shock or high-energy projectile impact, especially when confined or in a large quantity.

Chemical Stability: Stable under normal temperature and pressure.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Keep away from heat, flame, ignition sources and strong shock.

Incompatible Materials: Corrosives (strong acids and strong bases or alkalis).

Hazardous Decomposition Products: Nitrogen Oxides (NO_x), Carbon Monoxide (CO), Ammonia

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product Acute Toxicity: Not classified LD50 and LC50 Data: Not available Skin Corrosion/Irritation: Not classified Serious Eye Damage/Irritation: May cause eye irritation. Respiratory or Skin Sensitization: Not classified Germ Cell Mutagenicity: Not classified Teratogenicity: Not classified Carcinogenicity: Not classified Specific Target Organ Toxicity (Repeated Exposure): Not classified Reproductive Toxicity: Not classified Specific Target Organ Toxicity (Single Exposure): Not classified

SDS# 1030 Date: 07/20/2020



Page 5 of 8

Groundbreaking Performance

Aspiration Hazard: Not classified Symptoms/Injuries After Inhalation: May cause respiratory irritation. Symptoms/Injuries After Skin Contact: May cause skin irritation. Symptoms/Injuries After Eye Contact: Causes eye irritation. Symptoms/Injuries After Ingestion: If ingested, seek medical attention.

Information on Toxicological Effects - Ingredient(s)

> 2000 mg/kg
2217 mg/kg
> 88.8 mg/l/4h
> 15000 mg/kg
> 5000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION			
Toxicity Not classified			
Sodium nitrate (7631-99-4)			
LC50 Fish 1	2000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])		
LC 50 Fish 2	994.4 - 1107 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])		
Persistence and Degradabilit	У		
Sodium nitrate (7631-99-4)			
Persistence and Degradability	Readily biodegradable in water.		
Bioaccumulative Potential			
Sodium nitrate (7631-99-4)			
Bioaccumulative Potential	Not expected to bioaccumulate.		
Ammonium nitrate (6484-52	Ammonium nitrate (6484-52-2)		
BCF fish 1	No bioaccumulation expected.		
Mobility in Soil Not available			
Other Adverse Effects			
Other Information: Avoid release to the environment.			

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Disposal must comply with Federal, State and local regulations. If product becomes a waste, it is potentially regulated as a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR, part 261. Review disposal requirements with a person knowledgeable with applicable environmental law (RCRA) before disposing of any explosive material. **Additional Information:** None

SECTION 14 - TRANSPORT INFORMATION

14.1 In Accordance with DOT

: EXPLOSIVE, BLASTING, TYPE E

Proper Shipping Name

SDS# 1030 Date: 07/20/2020



Page 6 of 8

Hazard Class	: 1.1D	
Identification Number		
Label Codes	: 1.1D	
Packing Group	:	
ERG Number	: 112	
14.2 In Accordance with II	MDG	
Proper Shipping Name	: EXPLOSIVE, BLASTING, TYPE E	
Hazard Class	: 1.1D	
Identification Number	: UN0241	
Label Codes	: 1.1D	
EmS-No. (Fire)	: F-B	
EmS-No. (Spillage)	: S-X	
14.3 In Accordance with I		
Proper Shipping Name	: EXPLOSIVE, BLASTING, TYPE E	
Identification Number		
Hazard Class		
Label Codes	: 1.1D	
ERG Code (IATA)	: 1L	
14.4 In Accordance with T	DG	
Proper Shipping Name	: EXPLOSIVE, BLASTING, TYPE E	
Packing Group	: 11	
Hazard Class	: 1.1D	
Identification Number	: UN0241	
Label Codes	: 1.1D	

SECTION 15 - REGU	_ATORY INFORMATION
US Federal Regulations	
Packaged Emulsion Ex	cplosives
Bureau of Alcohol Tob	acco & Firearms (BATF)
Department of Transpo	ortation (DOT)
Mine Safety & Health A	Administration (MSHA)
Canadian Regulations	
Packaged Emulsion Ex	olosives
WHMIS Classification	Note: Explosives are not regulated under WHMIS. They are subject to the regulations of the Explosives Act of Canada.
	assified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and e information required by CPR.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date Other Information

: 07/20/2020

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

SDS# 1030 Date: 07/20/2020



Page 7 of 8

Expl. 1.1	Explosive Category 1.1
H201	Explosive; mass explosion hazard

Party Responsible for the Preparation of This Document Dyno Nobel Inc. 6440 S. Millrock Drive, Suite 150 Salt Lake City, Utah 84121 Phone: 801-364-4800

Disclaimer

Dyno Nobel Inc. and its subsidiaries disclaim any warranties with respect to this product, the safety or suitability thereof, the information contained herein, or the results to be obtained, whether express or implied, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND/OR OTHER WARRANTY. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever from any and all injuries (including death), losses, or damages to persons or property arising from the use of this product or information. Under no circumstances shall either Dyno Nobel Inc. or any of its subsidiaries be liable for special, consequential or incidental damages or for anticipated loss of profits.

Dyno Nobel SDS





Page 8 of 8