

Safety Data Sheet in accordance with Regulation (EU) No. 453/2010 and OSHA 29 CFR 1910.1200 HCS

NOCOGRIND 690

1. Identification of the Substance/ Mixture and of the Company/ Undertaking

Product Name: NOCOGRIND 690

Preparation Date: June 16, 2015

Revision Date: November 3, 2015

Recommended Use: Metal Cutting/Grinding Oil

Supplier: NOCO ENERGY CORP.

2440 Sheridan Drive
Tonawanda, NY 14150

Phone: 716-874-6200

EMERGENCY NUMBER: CHEMTREC (800) 424-9300

2. Hazards Identification

GHS Classification: Aspiration Toxicity – Category 1

H304 – May be fatal if swallowed and enters airways

GHS Labeling:

Symbols:



Signal Word: Danger

Precautionary Statements:

P301 + P310: If swallowed, immediately call a poison center or doctor/physician

P301+P331: If swallowed, do NOT induce vomiting

P405: Store locked up

P501: Dispose of contents/ container to an approved waste disposal plant

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] and OSHA 29 CFR 1910.1200

HCS: Aspiration Toxicity – Category 1

Other Hazards Not Classified: No significant hazards

3. Composition/Information on Ingredients

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Chemical Name	CAS Number	Concentration, Wt. %
Severely Solvent Refined Light Paraffinic Distillate	64741-77-1	Trade secret
Severely Solvent refined light paraffinic residuum	64741-89-5	Trade secret

4. First Aid

Inhalation: Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Eyes: Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion: Do not induce vomiting. Contact a physician immediately.

Skin: Wash affected area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

5. Fire-fighting Measures

Suitable extinguishing media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Specific hazards: Combustible. Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger. Hazardous material.

Specific protective equipment and precautions for fire fighters: Combustible. Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Unusual Fire and Explosion Hazards: None

Flammability Properties:

Flash point: 257°F/ 125°C

Method Used: PMCC

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required due to toxicity or flammability of the material. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders. For emergency responders: Respiratory protection: half-face or full-face respirator with filter(s) for organic vapor and, when applicable, H₂S, or Self Contained Breathing Apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxygen deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to aromatic hydrocarbons are recommended. Chemical goggles are recommended if splashes or

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contact with eyes is possible. Small spills: normal antistatic work clothes are usually adequate. Large spills: full body suit of chemical resistant, antistatic material is recommended.

Environmental Precautions: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks.

Methods and materials for containment: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

7. *Handling and Storage*

Precautions for safe handling: Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or ground procedures.

Conditions for safe storage: The container choice, for example storage vessel, may effect static accumulation and dissipation. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Storage containers should be grounded and bonded. Fixed storage containers, transfer containers and associated equipment should be grounded and bonded to prevent accumulation of static charge

8. *Exposure Controls/Personal Protection*

Control parameters:

Exposure Guidelines:

Severely Solvent Refined Light Paraffinic Distillate and Severely Solvent refined light paraffinic residuum:

OSHA PEL: 5mg/m³ ACGIH TLV: 5 ppm TWA (8 hour) as mist

Appropriate engineering controls: Proper protection and controls is dependent upon the potential exposure conditions. Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

Individual protective measures:

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:

Half-face filter respirator

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are

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inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Eye protection: If contact is likely, safety glasses with shields or chemical goggles are required. Contact lenses should not be worn if the product could be splashed into the eyes.

Hand protection: Chemical resistant gloves are recommended.

Body protection: Chemical/oil resistant clothing is recommended.

9. Physical and Chemical Properties

Appearance: Clear amber liquid

Odor: Petroleum odor

Odor Threshold: Not determined

pH : @ 5% in water: N/A

Freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash Point (PMCC): 257°F/ 125°C

Evaporation Rate (n-butyl acetate = 1): Not determined

Flammability (Solid, Gas): Not determined

Flammable limits (Approximate volume % in air): Not determined

Vapor pressure: Not available

Vapor density (Air = 1): Not available

Relative density: 0.837+/-0.01 @ 15.5°C

Partition coefficient n-octanol/water: Not determined

Autoignition Temperature: Not available

Decomposition Temperature: Not determined

Viscosity: 50 SUS @100°F

10. Stability and Reactivity

Chemical stability: Stable at normal conditions

Possibility of hazardous reactions: Not expected and hazardous polymerization will not occur

Conditions to avoid: Excessive Heat.

Incompatible Materials: None known.

Hazardous decomposition products: Material does not decompose at ambient temperatures.

11. Toxicological Information

Inhalation: Inhalation may cause central nervous system effects. May be irritating to the respiratory tract.

Skin: Minimally toxic. Prolonged contact may cause mild irritation

Eyes: Contact may cause mild, short-lasting discomfort to eyes.

Oral: Minimally toxic

Systemic (other target organ) Effects: None known

Teratology (birth defects): None known

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Reproductive Effects: None known

Mutagenicity (effects on genetic material): None known

Carcinogenicity: IARC: NO NTP: No OSHA: No

12. Ecological Information

Persistence and degradability: Not expected to be readily biodegradable

13. Disposal Considerations

Disposal methods: Dispose of in accordance with federal, state and local regulations

Precaution for disposal: All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with Good Engineering Practices. Comply with all applicable governmental regulations. Avoid land filling of liquids. Reclaim where possible.

14. Transport Information

USA DOT (Land): Not regulated.

IMDG (Sea): Not regulated as a hazardous material or dangerous goods for transportation.

IATA (Air): Not regulated as a hazardous material or dangerous goods for transportation.

15. Regulatory Information

US TSCA: In compliance with the inventory

Canada DSL: In compliance with the inventory

OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purpose, this material is classified as hazardous in accordance with OSHA 29CFR 1910.1200.

Complies with the following national/regional chemical inventory requirements: ENCS, IECSC, DSL, AICS, TSCA, KECI, PICCS

Cal. Prop. 65 This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.

EPCRA: This material contains no extremely hazardous substances.

CERCLA: This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLA petroleum exclusion applies for this product. Contact local authorities to determine if other reporting requirements apply.

CWA / OPA: This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802.

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SARA (311/312) REPORTABLE HAZARD CATEGORIES: None

SARA (313) TOXIC RELEASE INVENTORY: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

VOC Content (SCAQMD ASTM 1868-10): This product exceeds South Coast Air Quality Management District (SCAQMD) limits for VOC per ASTM E-1868-10 and may not be offered for sale or use within that district.

16. Other Information

Special Precautions to be Taken in Handling and Storage:

Normal precautions common to good manufacturing practices should be followed in handling and storing. Store away from food. Wash hands before eating, drinking or smoking. Use as directed.

Disclaimer: This document has been prepared in good faith and from information provided to us by our suppliers and other sources considered to be reliable. No warranty, express or implied is given. The buyer is responsible to evaluate all available information when using this product for any particular use. The buyer is also responsible for complying with all Federal, State, Provincial, and Local Laws and regulations when using this product.

MATERIAL SAFETY DATA SHEET

NOCOGRIND 690

Manufacturer's Name: NOCO ENERGY CORP.
2440 Sheridan Drive Tonawanda, NY 14150

HEALTH	1	REACTIVITY	0
FLAMMABILITY	1	PERSONAL PROTECTION	B

Section 1) PRODUCT IDENTIFICATION AND USE:

Product Identifier: NOCOGRIND 690
Product Use: Metalworking lubricant
WHMIS Class: Not controlled
T.D.G. Classification: Not regulated by T.D.G.
D.S.L. Information: The components of this product are listed on the Canadian Domestic Substances List

Section 2) HAZARDOUS INGREDIENTS:

Hazardous Ingredients	CAS #	% Wt.	LC50	LD50
Severely Solvent Refined Light Paraffinic Residuum	64741-89-5	45-50	>5mg/l (rat) inhalation	>1500 mg/kg (oral rat)
Severely Solvent Refined Light Paraffinic Distillate	64741-77-1	45-50	>5mg/l (rat) inhalation	>2000 mg/kg (oral rat)

Section 3) PHYSICAL DATA:

Boiling Point:	Not determined
Vapor Pressure (mm Hg):	Not determined
Vapor Density (Air=1):	>1
Solubility in Water:	Insoluble
pH (5% sol'n): @ 20:1	Not applicable
Specific Gravity (H₂O =1)	0.84 ± 0.01
Physical State:	Liquid
Appearance and Odor:	Transparent colorless, petroleum odor

Section 4) FIRE AND EXPLOSION DATA:

Flash Point:	257° F.
Method:	COC
Lower Flammable Limit:	Not determined
Upper Flammable Limit:	Not determined
Means of Extinction:	Dry chemical, carbon dioxide, foam. Do not use water except as fog.
Special Fire Hazards:	None known at this time.

Section 5) REACTIVITY DATA

Conditions for Chemical Instability:	Stable
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Oxides of carbon

MATERIAL SAFETY DATA SHEET

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Section 6) TOXICOLOGICAL PROPERTIES

Route(s) of Exposure: Eyes, skin contact, skin absorption, ingestion, inhalation.
EFFECTS OF ACUTE EXPOSURE:
Eyes: Contact can cause mild irritation.
Ingestion: May cause vomiting and medical problems.
EFFECTS OF CHRONIC EXPOSURE:
Skin: Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Irritancy: Mild irritant.
Respiratory Tract Sensitization: No data available
Carcinogenicity: Non-hazardous by WHMIS criteria.
Teratogenicity, Mutagenicity, Reproductive Effects: Insufficient data available
Synergistic Materials: Not available

Section 7) PREVENTIVE MEASURES

Gloves: Neoprene or natural rubber. Confirm with reputable supplier first.
Eye Protection: Chemical splash goggles.
Respiratory Protection: Not normally required if good ventilation is maintained.
Other Protective Equipment: As required by employer code.
Engineering Controls: General ventilation is normally adequate.
Leak and Spill Procedures: Avoid all ignition sources such as sparks or flames. Before attempting cleanup, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal: Review federal, provincial and local requirements prior to disposal.
Storage Requirements: Store in closed container. Store away from incompatible materials. Keep out of reach of children.

Section 8) FIRST AID

Eyes: Immediately flush with water for 15 minutes. If irritation persists, consult a physician.
Skin: Flush with water. Call a doctor if irritation develops. Remove contaminated clothing/shoes. Do not reuse clothing until laundered.
Ingestion: Do not induce vomiting. Contact a doctor immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.
Inhalation: If inhaled, remove to fresh air. If symptoms persist, call a doctor.

Section 9) PREPARATION INFORMATION

Date: Jan. 7, 2013 Prepared by: Technical Department Telephone: 585-392-3434

FICHE SIGNALÉTIQUE

NOCOGRIND 690

Nom du Fabricant: NOCO ENERGY CORP.

2440 Sheridan Drive Tonawanda, NY 14150

SANTÉ	1	REACTIVITÉ	0
INFLAMMABILITÉ	1	PROTECTION PERSONNELLE	B

Section 1) IDENTIFICATEUR ET UTILISATION DE PRODUIT:

Nom/Identificateur du Produit: NOCOGRIND 690
Usage du Produit: Lubrifiant à métaux
Classification du SIMDUT: Non réglementé
Appellation réglementaire en vertu du TMD: Non réglementé par le TMD
L'information de DSL: Les composants de ce produit sont énumérés sur la Liste Domestique Canadienne de Substances

Section 2) INGREDIENTS DANGEREUX:

Ingrédients Dangereux	CAS #	Pd%	CL50	DL50
Severely Solvent Refined Light Paraffinic Residuum	64741-89-5	45-50	>5mg/l (rat) inhalation	>1500 mg/kg (orale rat)
Severely Solvent Refined Light Paraffinic Distillate	64741-77-1	45-50	>5mg/l (rat) inhalation	>2000 mg/kg (orale rat)

Section 3) CARACTERISTIQUES PHYSIQUES:

Point d'ébullition:	Pas déterminé
Pression de vapor (mm Hg):	>1
Densité de vapeur (Air=1):	Pas déterminé
Solubilité dans l'eau:	Insoluble
pH (5% sol'n): @ 20:1	Sans objet
Densité spécifique (H₂O =1)	0.84 ± 0.01
Etat Physique:	Liquide
Apparence et Odeur:	Odeur douce, transparent

Section 4) RISQUES D'INCENDIE OU D'EXPLOSION:

Point d'éclair:	257° F.
Méthode de détermination:	COC
Seuil d'inflammabilité maximal:	Pas établi
Seuil d'inflammabilité minimal:	Pas établi
Produits extincteurs:	Produits chimiques secs comme bicarbonate de soude, vapeur d'eau, bioxyde de carbone.
Dangers d'incendie particuliers:	Non connu actuellement.

Section 5) DONNES SUR LA REACTIVITE CHIMIQUE

Conditions d'instabilité chimique:	Stable
Incompatibilité:	Les agents oxydants forts.
Produits de décomposition dangereux:	Oxydes de carbone.

Section 6) PROPRIÉTÉS TOXICOLOGIQUES

Voie d'exposition: Yeux, contact avec la peau, absorption par la peau, ingestion.
EFFETS D'UNE EXPOSITION AIGUE:
Yeux: Le contact peut provoquer une irritation d'intensité légère à modérée.
Ingestion: Peut causer des vomissements, des maux de têtes et d'autres problèmes de santé.
Peau: Le contact peut provoquer une irritation légèrement.
EFFETS D'UNE EXPOSITION CHRONIQUE:
Peau: L'exposition prolongée ou répétée peut causer l'assèchement, une inflammation et des dermatites.
Irritation: Irritant modéré.
Sensibilisation: Pas de données disponibles.
Cancérogénicité: Non dangereux d'après les critères du SIMDUT.
Téatogénicité, Mutagénicité, Reproduction: Données disponibles insuffisantes.
Matériaux synergiques: Pas disponible

Section 7) MESURES DE PREVENTION

Gants: Néoprène ou caoutchouc naturel. Confirmer d'abord avec un fournisseur connu.
Protection des yeux: Lunettes de protection à l'épreuve des éclaboussures de produits chimiques.
Protection des voies respiratoires: Normalement non nécessaire s'il y a une bonne ventilation.
Autre équipement: Conformément aux directives de votre employeur.
Ventilation: Ventilation générale adéquate. Ventilation locale pour les poussières, brouillards ou fumées.
Mesures en cas de fuite ou de déversement: Avant de procéder au nettoyage, consulter les renseignements de danger ci-dessus. Absorber les petits déversements au moyen d'un matériau absorbant inerte et placer dans des contenants appropriés, étiquetés et pouvant être fermés. Empêcher les déversements importants de se répandre dans les égouts et voies d'eau. Consulter les services d'intervention d'urgence et le fournisseur.
Élimination des déchets: Consulter les règlements fédéraux, provinciaux et municipaux avant d'éliminer.
Conditions d'entreposage: Entreposer dans un contenant fermé à l'abri des matières incompatibles.

Section 8) PREMIERS SOINS

Yeux: Rincer immédiatement à grande eau pendant 15 minutes. Consulter un médecin.
Peau: Rincer à grande eau. Consulter un médecin en cas d'irritation.
Ingestion: Ne pas tenter de faire vomir. Rincer la bouche à grande eau, puis boire un verre d'eau. Consulter immédiatement un médecin. Ne jamais rien faire boire ou avaler à une victime inconsciente, en train de perdre rapidement connaissance ou si la victime a des convulsions.
Inhalation: En cas d'inhalation, placer la victime à l'air frais. Si les symptômes persistent, consulter un médecin.

Section 9) RENSEIGNEMENTS SUR LA PRÉPARATION DE LA FS:

Date de préparation: Jan. 7, 2013 Préparée par: Technical Department Telephone: 585-392-3434
