

1. Product and Company Identification

MATERIAL IDENTIFICATION: **Tec Grease**

MATERIAL USES: Lubricating Oil
COMPANY: Inland Vacuum Industries

35 Howard Ave
Churchville NY 14428
(585) 293-3330

VALIDATION DATE: 04/06/2015
For Chemical Emergency Call Chemtrec 800-424-9300

2. Hazards Identification

Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.

Other hazards

The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco., Repeated episodes of polymer fume fever may result in persistent lung effects.

3. Composition/information on ingredients

<u>Component</u>	<u>CAS-No.</u>	<u>Concentration</u>
Sodium nitrite	7632-00-0	2 %

4. First aid measures

General advice : When symptoms persist or in all cases of doubt seek medical advice.
Inhalation : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.
Skin contact : Wash with water and soap as a precaution.
Eye contact : Rinse with plenty of water. If eye irritation persists, consult a specialist.
Ingestion : Never give anything by mouth to an unconscious person. DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Most important symptoms/effects, acute and delayed : No applicable data available.
Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician : Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media : The product itself does not burn.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media : No applicable data available.
Specific hazards : In fire conditions, toxic decomposition products may be formed. (see also section 10)
Special protective equipment for firefighters : Wear self-contained breathing apparatus (SCBA). Wear suitable Protective equipment.
Further information : Standard procedure for chemical fires.

6. Accidental release measures

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up.

Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel) : Avoid contact with the skin and the eyes. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Prevent material from entering sewers, waterways, or low areas.

Spill Cleanup : Shovel into suitable container for disposal.

Accidental Release Measures : No applicable data available.

7. Handling and storage

Handling (Personnel) : Avoid breathing vapors from overheated material. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

General industrial hygiene practice.

Keep away from food and drink. Keep away from tobacco products. Wash hands and face before breaks and immediately after handling the product.

Handling (Physical Aspects) : No applicable data available.

Dust explosion class : No applicable data available.

Storage : No special storage conditions required. Keep container closed to prevent contamination.

No decomposition if stored and applied as directed.

Storage period : No applicable data available.

Storage temperature : No applicable data available.

8. Exposure controls/personal protection

Engineering controls : In the event that the polymer is heated above 350°C (662°F), local ventilation should be used to avoid exposure to fumes.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required. In the case of hazardous fumes caused by overheating, wear self-contained breathing apparatus.

Hand protection : Additional protection: No particular glove type is recommended, but nitrile may be used.

Eye protection : Safety glasses

Skin and body protection : No PPE is specified however, avoid contact with skin, eyes, and clothing.
Preventive skin protection

Exposure Guidelines

Exposure Limit Values

Contains no substances with occupational exposure limit values.

This product does not contain any exposure limits that require disclosure according to OSHA Hazard Communication Standard 2012.

9. Physical and chemical properties

Form : grease

Color : white

Odor : none

Odor threshold : No applicable data available.

pH : neutral

Melting point/freezing point: Melting point/range 320 °C (608 °F)

Boiling point/boiling range : No applicable data available.

Flash point : closed cup does not flash

Evaporation rate : No applicable data available.

Flammability (solid, gas) : No applicable data available.

Upper explosion limit : No applicable data available.

Lower explosion limit : No applicable data available.
Vapour Pressure : No applicable data available.
Vapour density : No applicable data available.
Specific gravity (Relative density): 1.89 - 1.93 at 24 °C (75 °F)
Water solubility : insoluble
Solubility(ies) : No applicable data available.
Partition coefficient: n octanol/water : No applicable data available.
Auto-ignition temperature : No applicable data available.
Ignition temperature : no data available
Decomposition temperature : 320 °
Viscosity, kinematic : No applicable data available.
Viscosity : No applicable data available.

10. Stability and reactivity

Reactivity : Stable at normal ambient temperature and pressure.
Chemical stability : Stable under normal conditions
Possibility of hazardous
Reactions: Decomposes on heating.
Conditions to avoid : Decomposition temperature 350 °C (662 °F)
Incompatible materials : No applicable data available.
Hazardous decomposition
Products : Hazardous thermal decomposition products: Fluorinated compounds

11. Toxicological information

Oral ALD – Approximate Lethal Dose : > 11,000 mg/kg , Rat
Oral LD50 : > 5,000 mg/kg , Rat
Skin irritation : slight irritation, Rabbit
Eye irritation : slight irritation, Rabbit
Sensitisation : Animal test did not cause sensitization by skin contact., Guinea pig
Carcinogenicity : Animal testing did not show any carcinogenic effects.
Mutagenicity : In vitro skin absorption study (OECD 428) - Total amount of absorbable sodium nitrite through human skin: 0.026%
Reproductive toxicity : No toxicity to reproduction
Teratogenicity : No toxicity to reproduction
Further information : The product contains no substances classified as hazardous to health in concentrations which should be taken into account.
Sodium nitrite
Inhalation 4 h LC50 : 1.45 mg/l , Rat
Dust

Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

12. Ecological information

Aquatic Toxicity

Sodium nitrite

96 h LC50: Oncorhynchus mykiss (rainbow trout) 0.54 mg/l
72 h ErC50 : Desmodesmus subspicatus (green algae) > 100 mg/l
72 h NOEC : Desmodesmus subspicatus (green algae) 100 mg/l
48 h EC50 : Daphnia magna (Water flea) 15.4 mg/l
29 d : NOEC Cyprinus carpio (Carp) 21 mg/l

Environmental Fate

Biodegradability : Not readily biodegradable.

Additional ecological information : The product contains no substances classified as hazardous to the environment in concentrations which should be taken into account.

13. Disposal considerations

Waste disposal methods -

Product: In accordance with local and national regulations.

Contaminated packaging : Dispose of container properly.
If recycling is not practicable, dispose of in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

TSCA : On the inventory, or in compliance with the inventory

SARA 313 Regulated

Chemical(s) : Sodium nitrite

CERCLA Reportable

Quantity: 2000 lbs

Based on the percentage composition of this chemical in the product.:Sodium nitrite

16. Other information

Revision Date : 04/06/2015

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