

Printing date 07/13/2022

Reviewed on 07/13/2022

1 Identification

- Product identifier

- **Trade name:** Aluminum Anti-Seize Compound
- **Part number:** 74151
- **Application of the substance / the mixture** Lubricant

- Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

IBS, Inc.
740 Clay St NW
Auburn, WA 98001
Tel: (253) 804-8666
Toll Free in USA: 1-800-678-1906
Email: info@industrialbolt.com
Website: www.industrialbolt.com

- Information department: Product Safety Department

- Emergency telephone number:

United States : 1-800-255-3924
International (toll-free): 1-813-248-0585
International: 1-813-248-0573

2 Hazard(s) identification

- Classification of the substance or mixture



Skin Irritation 2 H315 Causes skin irritation.

- Label elements

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard pictograms



GHS07

- **Signal word** Warning

- Hazard statements

H315 Causes skin irritation.

- Precautionary statements

- P264 Wash thoroughly after handling.
- P280 Wear protective gloves.
- P302+P352 If on skin: Wash with plenty of water.
- P321 Specific treatment (see on this label).
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.

- Other hazards

- Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:

CAS: 74869-21-9	Lubricating greases Skin Irritation 2, H315	80 – 89%
CAS: 7429-90-5	aluminium powder (stabilized) Flammable Solids 1, H228; Substances and mixtures which, in contact with water, emit flammable gases 2, H261	10 – 19%
CAS: 7782-42-5	Graphite Eye Irritation 2A, H319	5 – 9%

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/13/2022

Reviewed on 07/13/2022

Trade name: Aluminum Anti-Seize Compound

(Contd. of page 1)

4 First-aid measures

- Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
 - **Most important symptoms and effects, both acute and delayed** No further relevant information available.
 - **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- Extinguishing media

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** Water
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
 - **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures

- Wear protective equipment. Keep unprotected persons away.
- Ensure adequate ventilation
- Wear protective clothing.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
Dispose of the collected material according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- Handling:

- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:** No special requirements.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
 - **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
 - **Personal protective equipment:**
 - **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
 - **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/13/2022

Reviewed on 07/13/2022

Trade name: Aluminum Anti-Seize Compound

(Contd. of page 2)

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Body protection: Protective work clothing

9 Physical and chemical properties

- Information on basic physical and chemical properties**- General Information****- Appearance:****- Form:**

Pasty

- Color:

Silver-colored

- Odor:

Petroleum-like

- Odor threshold:

Not determined.

- pH-value at 20 °C (68 °F): 7**- Change in condition****- Melting point/Melting range:** > 232 °C (> 449.6 °F)**- Boiling point/Boiling range:** ≥ 2,500 °C (≥ 36.500 °F)**- Flash point:** > 232 °C (> 449.6 °F)**- Flammability (solid, gaseous):** Contact with water liberates extremely flammable gases.**- Ignition temperature:** 400 °C (752 °F)**- Decomposition temperature:** Not determined.**- Auto igniting:** Product is not selfigniting.**- Danger of explosion:** Product does not present an explosion hazard.**- Explosion limits:****- Lower:** Not determined.**- Upper:** Not determined.**- Vapor pressure:** Not determined.**- Density at 20 °C (68 °F):** ~ 1.145 g/cm³ (~ 9.55503 lbs/gal)**- Relative density** Not determined.**- Vapor density** Not determined.**- Evaporation rate** Not determined.**- Solubility in / Miscibility with****- Water:** Not miscible or difficult to mix.**- Partition coefficient (n-octanol/water):** Not determined.**- Viscosity:****- Dynamic:** Not determined.**- Kinematic:** Not determined.**- Solvent content:****- VOC content:** 0.00 %
0.0 g/l / 0.00 lb/gal**- Solids content:** 10.0 %**- Other information** No further relevant information available.

10 Stability and reactivity

- Reactivity No further relevant information available.**- Chemical stability****- Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**- Possibility of hazardous reactions** Contact with water releases flammable gases.**- Conditions to avoid** No further relevant information available.**- Incompatible materials:** No further relevant information available.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/13/2022

Reviewed on 07/13/2022

Trade name: Aluminum Anti-Seize Compound

(Contd. of page 3)

- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects

- Acute toxicity:

- Primary irritant effect:

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

- Additional toxicological information:

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

- NTP (National Toxicology Program)

None of the ingredients is listed.

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- Toxicity

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- Behavior in environmental systems:

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- Additional ecological information:

- General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- Waste treatment methods

- **Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- UN-Number

- **DOT, ADN, IMDG, IATA** not regulated

- UN proper shipping name

- **DOT, ADN, IMDG, IATA** not regulated

- Transport hazard class(es)

- **DOT, ADN, IMDG, IATA**
- **Class** not regulated

- Packing group

- **DOT, IMDG, IATA** not regulated

- Environmental hazards:

- **Marine pollutant:** No

- Special precautions for user

Not applicable.

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/13/2022

Reviewed on 07/13/2022

Trade name: Aluminum Anti-Seize Compound

(Contd. of page 4)

- UN "Model Regulation":	not regulated
---------------------------------	---------------

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture

No further relevant information available.

- Sara

- Section 355 (extremely hazardous substances):

None of the ingredients is listed.

- Section 313 (Specific toxic chemical listings):

CAS: 7429-90-5 aluminium powder (stabilized)

- TSCA (Toxic Substances Control Act):

aluminium powder (stabilized)

ACTIVE

Graphite

ACTIVE

- Hazardous Air Pollutants

None of the ingredients is listed.

- Proposition 65

- Chemicals known to cause cancer:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

- Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

- Carcinogenic categories

- EPA (Environmental Protection Agency)

None of the ingredients is listed.

- TLV (Threshold Limit Value)

None of the ingredients is listed.

- NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

*16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Safety, Health and Environmental Affairs

- Classification System:

- HMIS-ratings (scale 0 - 4)

HEALTH	1	Health = 1
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- NFPA ratings (scale 0 - 4)

1	1	0	Health = 1
			Fire = 1
			Reactivity = 0

- **Date of preparation / last revision** 07/13/2022 / 33

- Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/13/2022

Reviewed on 07/13/2022

Trade name: Aluminum Anti-Seize Compound

(Contd. of page 5)

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flammable Solids 1: Flammable solids – Category 1

Substances and mixtures which, in contact with water, emit flammable gases 2: Substances and mixtures which in contact with water emit flammable gases – Category 2

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

- * **Data compared to the previous version altered.**