Material Safety Data Sheet

CODE: 135
DATE : FEB/08/2022

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier **Innos Lejefedt Rød til Auto m.m.**

Product Code 135

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Manufacturer Innos Tools AS
Essen 10, DK-6000 Kolding, Denmark

Telephone No. +45 28 800 600

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Skin Irritation. 2;H315 Causes skin irritation

2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labeled as follows.

H315 Causes skin irritation
P280 Wear protective gloves / eye protection / face protection.
P302+352 IF ON SKIN: Wash with soap and water
P362 Take off contaminated clothing and wash before reuse.

HMIS	Health:	2	NFPA	Health:	2
	Fire:	1		Fire:	1
	Physical	0		Reactivity:	0
	Hazards:			Special Hazards:	--
	PPE:	C			

2.3. Other hazards

This product contains no PBT/vPvB chemicals.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient/Chemical Designations	Weight %	EC No. 1272/2008/ GHS Classification
Distillate (petroleum) hydrotreated heavy naphthenic **CAS Number: 0064742-52-5**	<90	Not Classified
Residual oils (petroleum), hydrotreated **CAS Number: 0064742-57-0**	<20	Not Classified
Octadecanoic acid, 12-hydroxy- **CAS Number: 0000106-14-9**	<10	Not Classified
Lithium hydroxide monohydrate **CAS Number: 0001310-66-3**	<3	Skin Corr. 1;H314 STOT SE 3;H335

*The full texts of the phrases are shown in Section 16.

SECTION 4 FIRST AID MEASURES

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation

If inhaled, remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. If unconscious, place in the recovery position and seek medical attention immediately.

Skin

In case of contact, immediately rinse skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.

Eye

In case of contact immediately rinse eyes with plenty of fresh, clean water for at least 15 minutes. Remove contact lenses if present and continue rinsing. Seek medical attention immediately.

Ingestion

Do not induce vomiting. Call a physician or emergency medical facility immediately.

4.2. Most important symptoms and effects, both acute and delayed

No data available

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5 FIRE-FIGHT MEASURES

5.1. Extinguishing media

Use carbon dioxide (CO_2), dry chemical, or foam to extinguish flames.

5.2. Special hazards arising from the substance or mixture

Hazardous Decomposition Products: May form Co and CO_2

5.3. Advice for fire-fighters

Self-contained full-face positive pressure breathing apparatus (SCBA) should be used. Water can be used to cool and protect exposed material. Do not allow runoff water and contaminants from fire drains and contaminants from fire fighting to enter water drains or water courses.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled material. Use suitable personal protective equipment. Ventilate area if spilled in confined space or other poorly ventilated areas. Evacuate personnel to safe areas. Keep unnecessary personnel away.

6.2. Environmental precautions

Prevent entry into sewers and waterways. Report spills as required to appropriate authorities in accordance with applicable regulations.

6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or water courses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

Dispose of in accordance with all federal, state, and local environmental regulations.

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling

Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate ventilation.

In Storage

Store in a dry location at room temperature.
Keep this container and vapors from the container away from heat and flame. Keep container closed and maintain all original markings and labels.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from strong oxidizing and reducing agents.
CAUTION!!! Do not use cutting or welding torches on drums, even when empty. Do not reuse container.
Containers, even those that have been emptied will retain product residues and vapors. Always obey hazard warnings and empty containers as if they were full.

7.3. Specific end use(s)

There are no exposure scenarios, see details in section 1.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

The following occupational exposure limits have been established.

CAS Number	Ingredient	Source	Value
0000106-14-9	Octadecanoic acid, 12-hydroxy-	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0001310-66-3	Lithium hydroxide monohydrate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-52-5	Distillate (petroleum) hydrotreated heavy naphthenic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-57-0	Residual oils (petroleum),	OSHA	No Established Limit

	hydrotreated	ACGIH	No Established Limit
		NIOSH	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m^3 OSHA PEL: and 10 mg/m^3 ACGIH.

Carcinogen Data

CAS Number	Ingredient	Source	Value
0000106-14-9	Octadecanoic acid, 12-hydroxy-	OSHA	Select Carcinogen : No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4 : No;
0001310-66-3	Lithium hydroxide monohydrate	OSHA	Select Carcinogen : No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4 : No;
0064742-52-5	Distillate (petroleum) hydrotreated heavy naphthenic	OSHA	Select Carcinogen : No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4 : No;
0064742-57-0	Residual oils (petroleum), hydrotreated	OSHA	Select Carcinogen : No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4 : No;

DMEL/PNEC values

No Data Available

8.2. Exposure controls

No Special requirements under ordinary conditions of use and with adequate ventilation.

Eye/face protection

Wear safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.

Skin protection

Wear chemical resistant gloves. Gloves should be inspected before each use and discarded if they show tears, pinholes, signs of wear.

Other

Gloves, overall apron, boots, or other suitable protective garments should be worm to minimize contact based on the task being performed.

Respiratory protection

Use NIOSH/OSHA approved respirator where high vapor concentrations are present

Thermal hazards

No Data Available

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Red Grease
Odor	Petroleum Odor
Odor threshold	Not Determined
pH	Not Measured

Melting point / freezing point (C)	Not Determined
Initial boiling point and boiling range (C)	>300 ℃
Flash point (C)	>200 ℃
Evaporation rate (H2O =1)	Not Determined
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	
Lower Explosive Limit:	Not Determined
Upper Explosive Limit:	Not Determined
Vapor pressure (Pa)	Not Determined
Vapor density	Heavier than air
Relative density	0.9234
Solubility(ies)	Negligible
Partition coefficient n-octanol/water (Log Kow)	Not Determined
Auto-ignition temperature (C)	Not Determined
Decomposition temperature	Not Determined
Viscosity (cSt)	
@100C	Not Measured
@ 40C	Not Measured
Pour point temperature (C)	Not Determined
Volatile Organic Compounds	Nil
SADT	Not Determined

The data listed above are typical physical and chemical properties that do not constitute product specification.

9.2. Other information

DMSO extract by IP346: Less than 3.0 wt% (mineral oil component only)

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

No data available

10.2. Chemical stability

Material is normally stable at ambient temperature and pressure.

10.3. Possibility of hazardous reactions

May react with: oxidizing agents.

10.4. Conditions to avoid

High temperature, sparks, and open flames.

10.5. Incompatible materials

Keep away from strong oxidizing and reducing agents.

10.6. Hazardous decomposition products

Hazardous Decomposition Products; May form CO and CO2.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Ingredient	Oral LD50, mg/kg	Skin LD50 mg/kg	Inhalation vapor LD50, mg/l/4hr
Distillate (petroleum) hydrotreated heavy naphthenic - (0064742-52-5)	>5,000, Rat	5,000.00, Rabbit	Not Available
Lithium hydroxide monohydrate – (0001310-66-3)	Not Available	Not Available	Not Available
Octadecanoic acid, 12-hydroxy- - (0000106-14-9)	Not Available	Not Available	Not Available
Residual oils (petroleum), hydrotreated - (0064742-57-0)	Not Available	Not Available	Not Available

Classification	Category	Hazard Description
Acute toxicity (oral)	Not Classified	Not Applicable
Acute toxicity (dermal)	Not Classified	Not Applicable
Acute toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	2	Cause skin irritation
Serious eye damage/irritation	Not Classified	Not Applicable
Respiratory sensitization	Not Classified	Not Applicable
Skin sensitization	Not Classified	Not Applicable
Germ cell mutagenicity	Not Classified	Not Applicable
Carcinofenicity	Not Classified	Not Applicable
Reproductive toxicity	Not Classified	Not Applicable
STOT – single exposure	Not Classified	Not Applicable
STOT – repeated exposure	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Distillate (petroleum) hydrotreated heavy naphthenic - (0064742-52-5)	5,000.00 Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00 (96 hr), Scenedesmus subspicatus
Residual oils (petroleum), hydrotreated - (0064742-57-0)	Not Available	Not Available	Not Available
Octadecanoic acid, 12-hydroxy- - (0000106-14-9)	Not Available	Not Available	Not Available
Lithium hydroxide monohydrate - (0001310-66-3)	Not Available	Not Available	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6 Other adverse effects

No data available

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Consult federal, state and local regulations regarding disposal methods, recycle used oil. Do not contaminate used oil with solvents or other chemicals.

SECTION 14 TRANSPORT INFORMATION

14.1. UN number	Not applicable
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	
US DOT Label	Not regulated
ADR/RID	Not regulated
IMDG	Not regulated
Sub Class	Not applicable
14.4. Packing group	Not applicable
14.5. Environmental hazards	
ADR/RID	Environmentally Hazardous : No – Not regulated
IMDG	Marine Pollutant: No – Not regulated
14.6. Special precautions for user	No further information
14.7. Transport in bulk according to Annex II of MAROIL 73/78 and the IBC Code	Not Applicable

SECTION 15 REGULATORY INFORMATION

National Legislation

United States :

The regulatory data is Section 15 is not intended to be all-inclusive, only selected regulations are represented.

All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

SARA 311/312 (>0.1%) : Not applicable

SARA 313 (>0.1%) : Not applicable

CERCLA (>0.1%) : Not applicable

Inventory – Canada – Non – Domestic Substances List (NDSL) : Not applicable

California Proposition 65 Cancer : Not applicable

California Proposition 65 Developmental : Not applicable

California Proposition 65 Female Reproductive : Not applicable

California Proposition 65 Male Reproductive : Not applicable

Inventory – Australia – Inventory of Chemical Substances (AICS) :

Distillate (petroleum) hydrotreated heavy naphthenic
Lithium hydroxide monohydrate
Octadecanoic acid, 12-hydroxy-
Residual oils (petroleum), hydrotreated

Inventory – Japan Existing and New Chemical Substances (ENCS):

Distillate (petroleum) hydrotreated heavy naphthenic ()
Octadecanoic acid, 12-hydroxy- (2-1340; 9-1676)
Residual oils (petroleum), hydrotreated (9-1689)

Korean Existing Chemicals - Inventory :

Distillate (petroleum) hydrotreated heavy naphthenic
Octadecanoic acid, 12-hydroxy-
Residual oils (petroleum), hydrotreated

Inventory of Existing Chemicals Substances in China: Not applicable

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

Distillate (petroleum) hydrotreated heavy naphthenic
Lithium hydroxide monohydrate
Octadecanoic acid, 12-hydroxy-
Residual oils (petroleum), hydrotreated

Taiwan List of Toxic Chemical Substances regulated under Toxic Chemical Substances Control Act :

Not applicable

EU REACH : Annex XVII, Dangerous Substances and Preparations :

Distillate (petroleum) hydrotreated heavy naphthenic
Residual oils (petroleum), hydrotreated

Inventory – European Union – European Inventory of Existing Commercial Chemical Substances (EINECS) :

Distillate (petroleum) hydrotreated heavy naphthenic (265-155-0)
Octadecanoic acid, 12-hydroxy- (203-366-1)
Residual oils (petroleum), hydrotreated (265-160-8)

EU List of Notified Chemical Substances (ELINCS) : Not applicable

Risk Phrases

Not Classified.

SECTION 16 OTHER INFORMATION

This information has been compiled from sources considered to be dependable and is accurate to the best of Te Foung Enterprise Co., Ltd. knowledge. Te Foung Enterprise Co., Ltd. makes no warranty whatsoever, expressed or implied, of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. Te Foung Enterprise Co., Ltd. assumes no responsibility for injury to recipient or third persons, or for any damage to any property and recipient assumes all such risks.

The full text of the phrases appearing in section 3 is :

H314 Causes severe skin burns and eye damage
H335 May cause respiratory irritation

This is the first revision of this SDS format, changes from previous revision not applicable.

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