

JUN-AIR SJ-27F

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Revision date: 08/12/2011

Supersedes: 20/05/2011

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name. : JUN-AIR SJ-27F
Product code : 632492435
Synonyms : Synthetic lubricating oil
Product group : Trade product

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

1.2.1. Relevant identified uses

Use of the substance/preparation : Lubricant

1.2.2. Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

The Gast Group Ltd.
Unit 11, The IO Centre
Nash Road
Redditch
B98 7AS, UK
(+44) 1527 504040

1.4. Emergency telephone number

Emergency number : (+44) 1527 504040 (business hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

Adverse physicochemical, human health and environmental effects

No data available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : In case of over-exposure or in confined areas : Remove victim to fresh air.
First-aid measures after skin contact : Contact burns from hot or very cold materials should be flooded with cool low pressure water for 15 minutes. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Seek medical attention if tissue appears damaged or if pain or irritation persists. Wash contaminated clothing before reuse. If material is injected under the skin, seek medical attention immediately.
First-aid measures after eye contact : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In all cases of doubt, or when symptoms persist, seek medical advice.

JUN-AIR SJ-27F

Safety Data Sheet

according to Regulation (EC) No. 453/2010

First-aid measures after ingestion : Do not induce vomiting unless directed to do so by medical personnel. Do not give anything to drink unless directed to by a physician. Never give anything by mouth to an unconscious person. If large amounts are swallowed or irritation or discomfort occurs, seek medical attention immediately.

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

Symptoms/injuries after inhalation : May cause irritation to the respiratory tract and to other mucous membranes.

Symptoms/injuries after skin contact : This material can cause mild skin irritation from prolonged or repeated skin contact. Injection under the skin of pressurized hydrocarbons can cause severe, permanent tissue damage. Initial symptoms may be minor. Injection of petroleum hydrocarbons requires immediate medical attention.

Symptoms/injuries after eye contact : This product can cause transient mild eye irritation with short-term contact with liquid sprays or mists. Symptoms include stinging, watering, redness, and swelling.

Symptoms/injuries after ingestion : On ingestion in large quantities : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of co-ordination. This material can cause a laxative effect. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.

Chronic symptoms : Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc. Repeated or prolonged inhalation of petroleum-based mineral oil mists at concentrations above applicable workplace exposure levels can cause respiratory irritation or other pulmonary effects.

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

Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. In case of ingestion, Ipecac-induced emesis is not recommended. Consider use of charcoal as a slurry (240mL water/30 g charcoal). If determined necessary (and under qualified medical supervision), the stomach should be emptied by gastric lavage with the airway protected by endotracheal intubation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use dry chemical, foam, carbon dioxide or water fog. Apply aqueous extinguishing media carefully to prevent frothing/steam explosion. Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen.

Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Material will burn but does not easily ignite. When heated above the flash point, releases vapours. Vapours may ignite. Combustion generates : Carbon monoxide. Carbon dioxide. smokes. hydrocarbons. Nitrogen oxides (NO_x). Sulfur oxides. Toxic fumes may be released.

Explosion hazard : Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode. Flammable mists or aerosols can be generated below the flash point of high boiling point liquids.

5.3. Advice for firefighters

Protective equipment for firefighters : Wear proper protective equipment. Extra personal protection: complete protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing gloves, and eye/face protection.

Emergency procedures : Stop leak if safe to do so. Prevent the product from entering drains or confined areas.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye/face protection.

Emergency procedures : Eliminate leaks immediately. Avoid release to the environment. Eliminate all ignition sources if safe to do so.

6.2. Environmental precautions

Ensure all national/local regulations are observed. Clean up any spills as soon as possible, using an absorbent material to collect it. Specialist clean-up methods may be required. Floats on water. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Wear suitable protective clothing. Spilled material may present a slipping hazard. Stop leak if safe to do so. Small spills: Contain and/or absorb spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Contain large spills to maximize product recovery or disposal.

6.4. Reference to other sections

Refer to sections 8 and 13.

JUN-AIR SJ-27F

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from open flames, hot surfaces and sources of ignition. Do not store near oxidizing agents.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Do NOT take internally. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Remove all contaminated clothing and footwear. Wash contaminated clothing prior to re-use. If spilled, may cause the floor to be slippery.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures: : Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Protect containers against damage. Consult the appropriate authorities about waste disposal.
- Storage condition(s) : Keep container closed when not in use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not store near oxidizing agents. Store tightly closed in a dry, cool and well-ventilated place. Comply with applicable local, national and international regulation.
- Incompatible materials : Strong oxidizing agents.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Mercury Diesel Engine Oil, SAE 15W-40		
Belgium	Limit value (mg/m ³)	5 mg/m ³ Oil mist
Belgium	Short time value (mg/m ³)	10 mg/m ³ Oil mist
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ Oil mist
Italy - Portugal - USA ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³ Oil mist
Spain	VLA-ED (mg/m ³)	5 mg/m ³ Oil mist
Spain	VLA-EC (mg/m ³)	10 mg/m ³ Oil mist
The Netherlands	MAC TGG 8H (mg/m ³)	5 mg/m ³ Oil mist

8.2. Exposure controls

- Appropriate engineering controls : Ensure adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Personal protective equipment : Protective goggles. Protective clothing. Gloves.



- Hand protection : Not required for normal conditions of use. Chemical resistant protective gloves (EN 374) suitable with prolonged, direct contact.
- Eye protection : safety glasses with side-shields. Use splash goggles when eye contact due to splashing is possible.
- Skin and body protection : When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection must be worn. Wear heat protective boots and protective clothings when handling material at elevated temperatures.
- Respiratory protection : With correct and proper use, and under normal conditions, breathing protection is not required. An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Colour : Light. amber.
- odour : Mild.
- Odour threshold : No data available
- pH : No data available
- Melting point : No data available
- Solidification point : No data available
- Boiling point : No data available
- Flash point : 258 °C (Open cup)
- Relative evaporation rate (butylacetate=1) : No data available

JUN-AIR SJ-27F

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: < 0.1 kPa (at 20 °C)
Relative vapour density at 20 °C	: > 1 (Air = 1)
Relative density	: 0.95 (water=1g/cm ³)
Solubility	: Negligible in water.
Log Pow	: No data available
Log Kow	: No data available
Self ignition temperature	: 390 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: 20 cSt (at 40 °C)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Heat, open flame, sparks, hot surfaces, ignition sources, elevated temperature . Strong oxidizing agents.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. For thermal combustion, refer to Section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (none of the components is classified for acute toxicity)

Decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propane diol octanoate (11138-60-6)

LD50 oral rat	> 5000 mg/kg
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Skin corrosion/irritation	: Not classified (None of the components is classified for skin corrosion&irritation)
Serious eye damage/irritation	: Not classified (None of the components is classified for eye damage/irritation)
Respiratory or skin sensitisation	: Not classified (None of the components is classified for respiratory or skin sensitization)
Germ cell mutagenicity	: Not classified (No classification for mutagenicity as none of the components is classified for mutagenicity)
Carcinogenicity	: Not classified (No classification for carcinogenicity as none of the components is classified for carcinogenicity)
Reproductive toxicity	: Not classified (No classification for reproduction as none of the components is toxic for reproduction)
Specific target organ toxicity (single exposure)	: Not classified (None of the components shows specific effects in acute toxicity studies requiring classification for Specific Target Organ Systemic Toxicity single exposure)
Specific target organ toxicity (repeated exposure)	: Not classified (None of the components shows specific effects in acute toxicity studies requiring classification for Specific Target Organ Systemic Toxicity repeated exposure)
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : This material has not been tested for environmental effects. No ecotoxicological data about this product are known. In case of large spills the product may be hazardous to aquatic organisms due to possible formation of a film on the surface water which can diminish dissolved oxygen levels.

JUN-AIR SJ-27F

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Based on component information:	
EC50 Daphnia	> 1000 mg/l 48 hours
ErC50 selenastrum capricornutum	> 1000 mg/l 72 hours
ErC50 selenastrum capricornutum	> 1000 mg/l 72 hours
NOEC Daphnia	1000 mg/l 48 hours

12.2. Persistence and degradability

JUN-AIR SJ-27F	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

JUN-AIR SJ-27F	
This substance/mixture does not meet the PBT criteria of REACH, annex XIII.	
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.	

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Dispose of contents/container to comply with applicable local, national and international regulations.
Additional information	: Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Do not attempt to clean container. . Empty containers should be taken for recycle, recovery or waste in accordance with local regulation.

SECTION 14: Transport information

Not a dangerous good in sense of transport regulations.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No Annex XVII restrictions

Other regulations, restrictions and prohibition regulations : Compliance with following regulations: Regulation (EC) 1907/2006 as amended. Regulation (EC) 1272/2008 as amended. Directive 67/548/EEC as amended. Directive 1999/45/EC as amended.

15.1.2. National regulations

No data available

15.2. Chemical safety assessment

CSA has not been established

SECTION 16: Other information

Sources of Key data	: MSDS.
Abbreviations and acronyms	: ATE - acute toxicity estimate. BCF - bioconcentration factor. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EC - European Community. EEC - European Economic Community. GHS - Globally Harmonised System. MSDS - Material Safety Data Sheet. Overland transport (ADR). PBT - Persistent, Bioaccumulative and Toxic substance. PEL- Permissible Exposure. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. Relat - Relative. SDS - Safety Data Sheet . STEL- Short-Term Exposure Limit . TLV- Threshold Limit Value. TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.